

## SEQUENCE LISTING

<110> Salceda, Susana  
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 Sun, Yongming  
 Liu, Chenghua  
 Turner, Leah

<120> Compositions and Methods Relating to Breast Specific Genes and Proteins

<130> DEX-0267

<150> 60/249,992

<151> 2000-11-20

<160> 218

<170> PatentIn version 3.1

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 <213> Homo sapien

<220>  
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 <223> a, c, g or t

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<210> 20  
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 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1014)..(1014)  
 <223> a, c, g or t

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<210> 21  
 <211> 735  
 <212> DNA  
 <213> Homo sapien

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 aacaaaatca agagt 735

<210> 22  
 <211> 218  
 <212> DNA  
 <213> Homo sapien

<400> 22  
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<210> 23  
 <211> 4779  
 <212> DNA  
 <213> Homo sapien

<400> 23  
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<210> 24
<211> 1173
<212> DNA
<213> Homo sapien

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<400> 24
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tttgaagcta agttgtccaa ctacattatg tctattgtcc caaatacctt ttctgcact 120

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atgtattgat tcattgtcaa ttcatttttaa tacctaagcc cttacactac attacaatag      180
ttaacctttt catcaatatt atccaatgct tggcacagaa tagaactacta agcagaaaagt      240
aaccattgtc attattacta ttgggactat cattatacat gtaaaaagat tcttcctgtg      300
ttcaaactgt agacaagatt gaatgacaag aggttgtctt tacaccaata tttaatattt      360
gagtctccag agtcaccata ttacaaccag ggagaattaa aacatgatat gaaattgctc      420
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gctacagctt ttcattctatt cataataaaa ttttgatcac attttagtag ggtgtaaggc     1080
cttactttta gagaacaagt aattttacga taatgaagat ctctagtatg ttaaattgatg     1140
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<210> 25
<211> 1301
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (520)..(520)
<223> a, c, g or t

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<400> 25
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cgtgggagaa gaatgatgtg accagagaaa gggcgtggaa cggaaagggg ggggtgggtat      180
gagaagggcc aggggcccaga ggggctccct cagggtcccg ctgtcgggag aagggcagca      240
gcctttggag gagagggagt ctcagtggcc aagcccatat acctatgagg ccaccaatct      300
cagaattata agaaaattct cgtggagaaa aatctcttag cgcgtgggcc cactcagcgt      360

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gggtgtgggtg ctcccagttt ctcttctaca ctcagtgcgc ggtctccaga gtgagaccac 420
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<210> 26
<211> 694
<212> DNA
<213> Homo sapien

```

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<400> 26
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gaggtcggag agagagcaag acgcgcgata cggagaagga ggagggccgg gtcggggcga 600
ggttaaggca cagaggaagg aggtgaacgg agaaggagtg gagacgcagc gctgagcagg 660

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<210> 27  
 <211> 820  
 <212> DNA  
 <213> Homo sapien

<400> 27  
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<210> 28  
 <211> 669  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (480)..(480)  
 <223> a, c, g or t

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cacaaaatg 669

```

```

<210> 29
<211> 144
<212> DNA
<213> Homo sapien

```

```

<400> 29
cgcattatga ctatatagcc caatgggtca ttagatgcat ctcgagcggc gcagtgtgat 60
ggatggcgag gtcaacttga tttctctctc tggttttctc tcttactgta tatttattta 120
taaaactaat tttatcctga aaat 144

```

```

<210> 30
<211> 631
<212> DNA
<213> Homo sapien

```

```

<400> 30
gcggccgccc gggcaggtcc ccccccttt tttttttttt tttttttttt ttttgtgttt 60
aaaaaaatgt ggaattttgt ttttttactt attggggggg ggggcctgat aaggggtgta 120
gtgtgtgcgc ccaggagaat ggttggggtc tgtgaaaata ataaaaaaaa tgtcttgaga 180
agagaaaggg gtgtggtgtg ttagaaggcc ggtggcccaa gtgggtgctc cctcagtgtc 240
tcctgctttc ctgtgagaag ggaaacacgc ctttaatgag aaatgagatg ctactgtgca 300
acgccatata cgtatagggtg ccaccaattc aatattttaa aaattctctt gagaaaaatc 360
tcatagcctt gacccaactc agctgggggtg gtggtgctcc agtttctcct ctactcagt 420
ggcggctcag attgaacccc cgatggtctc catctcgtcg tctctctgtg ggtgagaggc 480
acgcatagat tcgtggatat tcacataatg aaagccttgg gggcggtaac actcgagtag 540
gcacaatagg cgtgttctcc ctggtggtaa aaatatgttt tactccgtcc tcaacaattt 600
tccacacaaa atcaggagaa acaacaacta g 631

```

```

<210> 31
<211> 618
<212> DNA
<213> Homo sapien

```

<400> 31  
 ggctcgcggcg aggtatccat ttgcctcaac ctcccaaagt gctcagatta taggagtga 60  
 ccactgtgcc tggccaaaaa atatttttta agcagtgact taggtatcaa atataaaatg 120  
 aaaagtattt tataaaactgg actagaacat ttagtaaact tccttgtttt tattttttta 180  
 ttttttttga gacggtctcg ttctattaca tgggctggaa tacagtggga agatcacagc 240  
 tcagtgcagc cttgaactcc tgggctcaag caatgttctc tcctcagctc ccaagtagct 300  
 gggctttagt gcatgtgtca gcatgcctgg cttattttct ttttttcttt ttttcttttt 360  
 tttttttttt attttttttt ttttattttt tttttttatt aaaaagagca ggaggaggtc 420  
 atattatggt gtggcgccgg agggcgtggt ctctccaaac ctctgggggt ccagaggtag 480  
 tcttctccgc cgagtgttgt gtcacaacgc gctgtcgggg gagcactcgt tggggcaaa 540  
 agtctgtcgc ctggggtaga aatgtggttg tcgcgcgccc aaatttcgcc ccaaaaattg 600  
 cgagaacaca cgagaatg 618

<210> 32  
 <211> 531  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (258)..(258)  
 <223> a, c, g or t

<400> 32  
 ggagactgac tcatataggc caaggctcct aatcatgccg agcggcgcca ggtgatggat 60  
 gcgtggcgcg gcgaggtgtt agcggctctg ctctctgat tatgccttat tctttgctta 120  
 tttcctttac tgagaaatgc ataatttata gttgcaaata aaaaattaat gcaggagatg 180  
 tggtcccccac atgtactttc ttattcacat ttatgccaaa aagagattat gttatcatat 240  
 tgggactacg ttttatanag tcttgctctg agtttactag tccaagctat attataagaa 300  
 gacttttagtt ctctataaac atggatcaga tatttcccaa aagatattta atgcataacg 360  
 caaaaaaaac aaaaaaaaaa aaaaagcggg ggggaaaacc ggcgcaagag cgtgcccggg 420  
 gggaaactgg ggtccccggg ccaaatttcc caaaaaatt cgcgacacaa aagtgagaaa 480  
 aaagagcaac acacgccagc caccaaagcc accacacaac aacactaaca c 531

<210> 33  
 <211> 841  
 <212> DNA  
 <213> Homo sapien

<400> 33  
 ggtcgcggcc gaggtccccc cccctttttt tttttttttt tttttttttt tttttttttt 60  
 tttttttttt tttttttttt tttttttttt tggggggggg ggggggggtt tttttttttg 120  
 ggggggtggg gggggggggg gttttttttt gggggggccc ggggcgcca accaccggg 180  
 ggaaacaaaa aaatcatgcg cgcgccgacc cagccacca aagaaggga gaacaagacc 240  
 gaaagtgaca acaccacgcc gagacgagga aagatgagga gtgatgaaag aaagaagaag 300  
 gggacggcga cagaagcgag acgagcggag gaggggagga cgacaaagac ccgagacacg 360  
 acgccacgac gaacagaccg ccgaacaaca atggagaaac acaacacaga agagaggagg 420  
 agcgtgata agcagatgcg atgccacaac agccgtcgc cgcccgcgga atctaagcg 480  
 aggaggcaag actgaaaaag aagaagagtc accacaccac ccaccactca caccgaacag 540  
 atagaaaaga cagagagaga gtcgacagag agagagagac agaaatgagg tgaggcgtcc 600  
 agcgcccgtg cgcggtgaga gccacaagca gagatctaca atcaatgcaa gaaccattga 660  
 aggcggagcg cgatacaagc aggcgagcca atacgtgact catccgcggt ggggtgtaagt 720  
 ctgagtgtcc tcgtcaaacc acgaacacca ccgccacaag atgatgaaa cgaacagtag 780  
 cataaacaag agacaaacca agaagaggca agcaagcaca gaagagaagc gcacgcgaac 840  
 c 841

<210> 34  
 <211> 417  
 <212> DNA  
 <213> Homo sapien

<400> 34  
 ggtcgcggcg aggtacaagc tttttttttt tttttttttt attttttttg gggtttggag 60  
 ttttttttca attttttttt tccaaaatag tgacttttga aaaattttta catccctgt 120  
 tttgaatttc ccacttttca aattgaggct ttcaccacta tattgattgg gatattaata 180  
 ccaacgacca tagtttttgg gcatcttgac tttttcctct caaattaacc atcaacgtcc 240  
 tctcactgtg aatttcacga aacgacctca ttacctctt ttaatttttt ccggtggaac 300  
 tttaaaaaca agcaacaacg cttgtggtga tactctcagt tgctcaatac catgtttcca 360  
 tgttgtaaaa ttggttactc cgccactcac aattcccacc aaacaattag cgacaat 417

<210> 35  
 <211> 1746  
 <212> DNA  
 <213> Homo sapien

<400> 35  
 gcggccgccc gggcagggtt tttttttttt tttttttttt tttttgggt ttccttattt 60

tcacaaagtt ttttgtgtgt gttgggccta aaaggggaaca ggcgaggggg ggtgtattcc 120  
 aatttttctct ctctcttttc tcaggttggg aaactctcgt ggggtgcccg gcggaattct 180  
 cttataagaa atatcccttt tccccccaga gattataaac caggtaagcg cattatatat 240  
 acccacattt tctcttataa tatagagtat agtgggctcc tatcacaata tataaaacca 300  
 caccttttca cacaaatagc gcttttagag tgtggcattc tcatctcaca cagagtatat 360  
 atctctcgcg cacatatata tatttttata tatactctcg tgggtggtgc ccctattgtg 420  
 tgcgttataa gaacattata acgcgcacaa gcgatatata tttatatatc tctctctcgc 480  
 gtgtgtggca catatatgtg tggggcagat atctctctct ctcttctctc gctgtgcgca 540  
 catatatcta cggcggggga tatatatata tctctcacgc gcgcgagggg aggagacata 600  
 tctccgcgcg cgccttttaa tattgtgtgt gtgagacaaa gtgtggattc tctccccatt 660  
 atatatatat actactcccg ctgctcagac acgtgtagac acagcagtag tgtgagggga 720  
 gagaccccc cegtgtgaga ggtgttctcc cccccacact atatgtctca gagatatatt 780  
 tccacttttt ctacttttc actatctaca aaagagagcc cccgggtgat atatcttcta 840  
 tcgcgcgcgc catatatctt aatatatatg atgagagagg atactgcgcg tgggggtctcc 900  
 ccaaggtgtg tagaaccccc caagtagtgg tggggggccc ccctaaaaaa agaggtgtcc 960  
 cctattatat aaaccacaaa aaagcgggcg gtgggggggg aataaacacc cccgggtggg 1020  
 gcaccaaaaa gcgcggtgat taaccccgcg tgggggtgtg gaaacatcat gtggggcggtg 1080  
 tctccccgcg gggcctacc aaaaactttc cccccacaca aaatctgagt gtcaccgcgc 1140  
 agccacagca acacacaacc acgtgtagga aacaagacac gagacacaac agcgaacgag 1200  
 aagaagagag aaaagcaaac cgaagagaga tagaggaaac gcagaagaca gagacgactg 1260  
 atgaagagac gcaaacgaca acaacaaca aacacgaagg acaacaaca caacacacac 1320  
 acacaaatac cagagacgaa cgaaaaaaaa ccacgagaga caagcacgac caagacaaga 1380  
 aacaagagaa acgaccacag agacacacac agcgaactag acaaaagcca aacaacaagc 1440  
 gaaggaagaa gactaagagc acgaccgaga acgcacagaa caaacgagaa acaaaaaggt 1500  
 aactcaccaa caagacacc agcagacacg agagagagaa gacaaacgac agagcaaaca 1560  
 acaacgaaca aaaagaccga gaagaacaaa atcggacaaa cacaacacaa gcagataaca 1620  
 ccaaaaacga ccatacaaaa tcccacaaca aaaaactacc acaaccaaca accaacaaca 1680  
 cacacaggat caagccacaa acaacacaga acacacacaa acaaagaata cgaagagaac 1740  
 aaacgc 1746

<210> 36  
 <211> 740

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 36

```

cggccgcccgg gcaggtagag acagtctctc tctcttgccct agctgggagt gcagtggagt      60
gatcatagct cactgaggct tgaactcctg ggctcgagca atccacctca gcctccagag      120
taggggagac tacagatgtg tgccaccata ctcagctaata ttttaaactt tcgtagagac      180
aggggtctccc tgtgttgccc aggctggcct cgaactcctg acctcaaaaa atcttcctgc      240
cctggcctcc caaagcactg ggattatagg tgtgagccat tgcgcctggg cataaattct      300
tgtttttagtt tggttggttta ttagacgatg gaatctctct ctcttgacca ggctagaggg      360
ctgtggtgca gatctcagcc cactgcaacc tctatctcct gagctcaagc gatcctcctt      420
agcttcccaa atagctggaa ctacaggcac gtgccatcac gtccagctaa ttttgatatc      480
ttagtagaga aggtttttacc atgttggaaca ggggtggtctc gaactcctgg ctacagtggg      540
ccacctagct cagcctacca tgagtgtgtg gattacagtg cgtgagccac catgcccagc      600
ctctaaagtc tgtttgctat tcaaagtaaa tatgacatgt gtttgagtca cacaaggaaa      660
gcactaaaaa agacgggtggg gggaccgggc aaagctggcc ccggggggaca tgtccccgc      720
ccaatcccaa tgaaaagaac                                     740

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&lt;210&gt; 37

&lt;211&gt; 687

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (499)..(499)

&lt;223&gt; a, c, g or t

&lt;400&gt; 37

```

gcgtggtcgc ggccgaggct acctaagcaa tcaagctggc cagctggtgc accatgggag      60
agatgatcac caaacttttc ttctctttga ggtcacacac ctagattacc tgccccagtc      120
tcctttgcag ttagatctgg ctgtgagggt gagtttttagc cagtgggata acagatggaa      180
gtttccactg gcctaacca taaattcctc cacaactctt cccactttta atcttatgcc      240
cccatgtcgt ctcttctccc agccttcttc gtctcaataa atgtcactag cacatatoca      300
gtcattcaag gaaaaacaca atggagaaaa ccatcctcaa ctaccattc cctttacctc      360
actctttccc agcatcctgc aaaatctcgc tccaaatata gctccagttt gtccacttcc      420
ctcccttttc tccagtctat aaccttggtt tactccatca ctatctctca attagactat      480
tgaaataaaa tcctacctng gaatctcaaa aaaaaaaca aaacaaaaaa aaaaaaagct      540

```

ctcgggggtc aacccatggg gcaaacgcgt gttccccggg gggacaatgt gtttccccggc 600  
ccacattccc cacattggcg caagcacacg ccgcgacgcg gccggacggc cgcgcccacc 660  
cacgaacgcc caccgcggac agcgaca 687

<210> 38  
<211> 148  
<212> DNA  
<213> Homo sapien

<400> 38  
gaggtatcga attatgcgat gggcctctag atcatctcga gcggcgcagt gtgatggata 60  
gcgtggtcgc ggcgaggtac aggaactggc agccgcactg gctgccagaa acgtcagtgg 120  
tgctgcccat tcggcgaaaag gttaggga 148

<210> 39  
<211> 815  
<212> DNA  
<213> Homo sapien

<400> 39  
cgcgcgggca aggtccctcc tccttttttt tttttttttt tttttttttt tttttttttt 60  
tttttttttt tttttttttt ttttccccct ttttggtttt tttttttcca aaaaaaagt 120  
ccaaaaattc cccccccccc cctttttaaa cccccgtggg ggtgtcgccc tcccttgtgg 180  
gaacgaaaca aaagcgggtg gtggtcgccg ctgatgatga cgtcaaccac ctagcacaaa 240  
aaaaacggtg gtggtgatcc tgtggggcgc cccccctcgt agacatatca tcatottata 300  
taattagtta gtggtgtggc gccggagggc aggggcacac actcatcaat atctttttta 360  
taatcattat tatggggggg aagaaaaaaa tcatgttatc acccccagc ggtgtggtat 420  
ccaacaacac acaaaagaag agacagtgag taaaacaaca aatgagtgag tgagaagaca 480  
acggcaggcg tgtggtgaca gaaacaatga ctgtatgcag tcgctagtct ggagcgaacg 540  
tgcgtgttat gtcacctcc gcccggaata gataaaaaga tgggggtggc tacacacata 600  
caggaggacg acggaggaga agagaagata ctacatcaa caaaatgggg ctgacgctat 660  
tattatattc gatcggggag aagaactata tcccacaga gaagacggag ggagaagcaa 720  
taacaacgac gaaacaaagc gtcacaccgc ggagagaaga aatgggcttc ccccgccaca 780  
ccccccacaa ccatctcaa caaccacaac caagt 815

<210> 40  
<211> 138  
<212> DNA  
<213> Homo sapien

<400> 40



gccagtatat gcataaggat ggtgaacagg aacatttagg agcatttgat cttatgaact 60  
 ggtggaccgc gagcccttag ctagacaatg agaggagaat gtacaccatg taattatattc 120  
 tgcttgccca cgaaacaa 138

<210> 41  
 <211> 79  
 <212> DNA  
 <213> Homo sapien

<400> 41  
 tgaagataga tcatataggg cgcattgggtc actagatgca tgctcgagcgg cgcagggtgag 60  
 gatagcggcg ccgggcggt 79

<210> 42  
 <211> 887  
 <212> DNA  
 <213> Homo sapien

<400> 42  
 atgctggttag tgtttgtgtt atatggtgca gcgtccagaa gtatgtgcca agctgcatta 60  
 atttgaatcg gccaaactgcg ctatgttaga agggatgcgt ttgacgtagt atgggtgcgc 120  
 tcttcccgct tctcgcctac atattgactc gcttgccgctc ggctcgttctg gcctgcgggc 180  
 gagtagagaa tcagggtcga ctcaaaatgt gcgggttata tacggtttat ccacagaatt 240  
 caggcgataa cgcaggtgaa aataaccatg ttgagacaaa aaagtgccat gctaataaag 300  
 gccaggaacc cggtaagaaa gggctcgaggt ttgtatgcga cgtaatatcc catatggcat 360  
 ccagccccc ttgagtgagt catttaacaa tcaatttcgg ccgctcaaag tcagaagggtg 420  
 gggaaatcct gactaggaac ttataaagga ataccaaagg gcgggtttccc ccacatggaa 480  
 gcatcccatc gtgcgcaatc tccatgtacc cgaccctgcc gactttaccg gattacccat 540  
 gtccgtgcct atctacgctt agggaaatgg tgtggcagca tatcttcatt agctcatagg 600  
 ctggaagcgt aatcataagg tgacggggtg agagtacggg agcgattcaa tagcttgtgc 660  
 atgctgttca acagagaccc ccccggttca gcccaactgc tgccgcctta ttccggtaag 720  
 tatataagtc atgaagttca gaccgggata aagacacgac taaatggaca gtgaaagaga 780  
 gccactgggt acgcagggtta agagcaggag gaatttaggg agggaaacga gaactgtaag 840  
 tgttggctaa ctatcgggat agactaaaag accgtattga gattagc 887

<210> 43  
 <211> 425  
 <212> DNA  
 <213> Homo sapien

<400> 43

```

aatgtgttgc acagtgagga cgagtttccg tgtcaatgta gctgtgacaa aggtatcaga      60
gacgatcagg ggtatgagaa acccactggg atcatagcaa agtattactt ggcagcaaat      120
agtgtacctg aaatagacgt gaattgaagg agaatgaaga aatagaacca tgtaacatca      180
ataaagacaa aggaaataac acacacattg accaacaaaa aaaaggcaaa gaaattagaa      240
gaatttacat tggaatagaa acagggtaca tatgacatca aacacccaaa ggctaagagt      300
tgcaaggacg agaccttata agaaagactt gaaggctact tcaactgatt cacataagat      360
agtaacactg tgtaaaaaat aggatatcca gtcaacaaat accaaacaaa aaatacaaaa      420
gagaa                                                                425

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```

<210> 44
<211> 406
<212> DNA
<213> Homo sapien

```

```

<400> 44
caggagaatc acttgaacct gggaggtgga ggttgcggtg agctgagatc acaccactgt      60
attccagcct gggtgactga gactctaact aaaaaaaaaa aaaaaaaaaa aattgattgg      120
ctgtgcctca ttacaaatgc ttttgatggt ggagtgtgtg tgttggaat tatttttctt      180
ttcgggggtct tcaaaatttc aagaaaagtt ggatgattgg actttggaag attacaaaaa      240
aaaaaaaaaa aaaaaaaaaa acgcttgggg ggtacttcct ggtgtgtata ggtgtgtgtt      300
cccgtagggg ggaattgtgg ttcctccggt ctcaacaatt ctccccccac aaacattagc      360
agacgcaaac gtgggaggga gaagaggtga ggagaaagag gacata                      406

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```

<210> 45
<211> 1267
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (358)..(358)
<223> a, c, g or t

```

```

<220>
<221> misc_feature
<222> (478)..(478)
<223> a, c, g or t

```

```

<400> 45
cgtgggtcgc gccgaggttt tttttttttt tttttttttg ggggtaaaatt ttttcttttt      60
taaattgggtt attcccataa ataaaatctc ttttccactt gaatatatta aaattataaa      120
cactcatttt acaaatttat tcccagggtat ttacatttct cccctctccc tctccccaaa      180

```

```

aacgcataca ttttggatta aatataacaa cattctcagg ctcttataaa accacctgat 240
ttctcgtggt gtgtgcacgt ttagagaggt gtgcgaagat tggctgtcgc ctctctctca 300
cacagagaca cactctctca gtgtggtgtg tgtgtcctcc ccccttctca ggagagangg 360
ggagtgtgga attgtcgccc ctctcccaca ttatacactt ttgtgtgccc tcaaagggag 420
cgcgagaata taaagcgcgt gggggggcgt ataaatcttc gtggtggtgc tcatatangc 480
gcggtgtgtt ctcgctgtgt gtgtgtgcaa caatgtgtgt gtatatctcg ccgggctcta 540
cacacaaatt ttctcacaca ccacacacac acattattct cgggcgcgcg acacaaaacg 600
caaaaaaaaa gaagaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaatgaaa aagaaaaaaa 660
aaaaaaaaaa aaaagaaaaa ataaaagaaa atcaaagaca aacagaaaaa acataaaaaa 720
agaaaaagca caaaaagaaa aaaaaaaaaa taaaagagga aaacaaaca gaaaagacaa 780
aaaaacaaaa aagaacaaaa aaaaacagac aaagaaaaaa aaaaaaagaa aaaaaaaaaa 840
aaaaaagaaa aaaaacagga acaataaaaa aaaagaaaaa caaaaacaa cagaacaaca 900
gaagaaaaaa aaaagaagag agagagaaaa aaacaaaaag aaaaaaaaaa aaacaaaaaa 960
agaacaaaaa aaaagaaaaa aaacaaaaaa caaaaaacaa gaaaaaaaaa gaaaaaaaaa 1020
caaaaaagca aaaaacaaag aaagagaaga ggaaaaaata aagagcaaaa aaacaaaaaa 1080
aaaaagaaaa atgacaaaaa acacgaaaaa acaagatata acaaaacaag aaaaagaaac 1140
aaaaagaaaa aagaagaaac acaaagaaaa acaaaaaaaaa acagagaaga aagaaaaaaa 1200
gaaaaaaaaa acaaaacaaa agaaaacaga agaaacagac gaaaaaaaaa cacaagaaga 1260
caaaaac 1267

```

```

<210> 46
<211> 239
<212> DNA
<213> Homo sapien

```

```

<400> 46
acgcagcaat acgagcatga catatggggc tcacgtaata tgtgcggtgc gtccggattc 60
tttctgcag atagatttgc ctctgtgtct tgggcgaact ccagggtgag tcgattgagt 120
agcccaaacg gtatccttac cagataaata tgcatatgat cttcgaagtt attgaccgca 180
atatcaacgt gaggactgta taatacacat tcatgaaaga tggaccttga aaacgcggg 239

```

```

<210> 47
<211> 234
<212> DNA
<213> Homo sapien

```

```

<220>

```

<221> misc\_feature  
 <222> (190)..(190)  
 <223> a, c, g or t

<400> 47  
 cggccgccccg ggcaggtttt tttttttttt tttttttttt ttgtggtgaa gtggtaaatt 60  
 ttttttataa aaaagggtgt gttttccac agtattaaag cggggggtat tcctagtggg 120  
 ccataggcgt gttcccggtg tgtggaaatg tgtgtatccc gtcacattt cccacaaact 180  
 tacgagaagn atgagagtag actaagggga aatgcgagaa gatgcatacc tagg 234

<210> 48  
 <211> 964  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (364)..(364)  
 <223> a, c, g or t

<400> 48  
 gctttttttt tttttttttt tttttttttt tttttttttt ttttaaatttt ttttttccaa 60  
 aatattggcc ttttgaaaaa atttaacaat acccgtgggt gtgtgaatcc cccactattc 120  
 tcaaattgtg ggctttacac ccagataagt gtggtgggggt ataaaacaca gaacgctggg 180  
 tgtttggcgc aattgtgcac ttttatctct ctcaaagtga ccatacacgt goccaagtga 240  
 atttccaga agagaacctc atatcacctc tttataattt ttctcccgcg gagaaattat 300  
 aaaaagagaa aagagtcttt ggggcgtaaa cactcgctgt ggtctccaat agctgtgtgt 360  
 cccncgtgtg tgtgtgacaa tgtgtgtgta tctctcgcg ctctccacaa attttccacc 420  
 acacaaacat tttcgggtga cagcaaaaag ggtgtcaaga gcgaggagag gcaaaaaaag 480  
 gaagggaggg agaaccgaga gagaggcggg gagtaagcag acgacaagac agtaaaagtg 540  
 aggaagacaa gaacaaagca agtggcgaag cgagcaaaaag ctaggagtag gagcagcgta 600  
 ctgaagatgc cattcgaagg ataagtactg cgtgtagaag aggatgcaag cacggacaaa 660  
 gaacatagat aggaggctga ataactgcac gcaacgacca gccagacatt aggatgctac 720  
 tgggtgtgat ggagacggga ggacagagaa tgcggtgagg gcggtcgcac gaaaaccagc 780  
 aacagagggg gtagcgcgca cagacagcag agaagacaga acgtaagcag tacgtgagca 840  
 caaaagcagg gtaaacagcc ccaccgagcg aggagagcaa aaaagctata ctgaacaaa 900  
 acaaaaaaaaa acaaaaaaac aaaaccaaga aaaaacagaa aaaaaagaaa acaccacaaa 960  
 gaca 964

<210> 49  
 <211> 957  
 <212> DNA  
 <213> Homo sapien

<400> 49  
 cggtcgccgg gcaggtacgt gtttaatttg agtattgatc aaaaagcgtt tattattaat 60  
 tctagaatca gtcaaaatga tgttctgaat agaaaataag atattcggta gtagctgtac 120  
 taaggcatag actcttattc aaatgagaag taactttgct aaacaccaag ccttaatcgg 180  
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 aatggttcat gttgtacaag taatttgtct ccttatgttt gtttccttat ttatacacgg 420  
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 ggagcttagc gtctcatggc atagctgtgc ctgtgtgaag ttgtgatc 108

<210> 51  
 <211> 124  
 <212> DNA  
 <213> Homo sapien

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124

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 tccacacgca aatcttgggc agggaaaatt cctggctgtg gtctataana taacactttc 480  
 ttaagcatgc cacaaaaaac aaaaaaaaaa caaaacaagg tctgggggaa cccctggcgc 540  
 aaagggcccc ggggtaacat gttgtaatcc ccgggccaca aaattcccc acaaatat 598

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 <211> 481  
 <212> DNA  
 <213> Homo sapien

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 gaaattaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaacct tgggttattt cttggacaaa 420  
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 t 481

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 <211> 878  
 <212> DNA  
 <213> Homo sapien

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aat 123

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<223> a, c, g or t

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<223> a, c, g or t



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 <223> a, c, g or t

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 <223> a, c, g or t

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 <223> a, c, g or t

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 <223> a, c, g or t

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 <223> a, c, g or t

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 <223> a, c, g or t

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 <223> a, c, g or t

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 ccaatacact tatgagcgta taggacagta tagattggat gggacgtgag aacagagaag 240  
 tgaaggttat accgtatgac atggtgacat agcatggcag atattgtaga ggtccaacgt 300  
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<223> a, c, g or t

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<223> a, c, g or t

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<212> DNA  
<213> Homo sapien

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gaaccgcgac gaacagccca cagagatcac agaggggccga cacagcgaag gaggagagaa 3360  
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<210> 62  
<211> 585  
<212> DNA  
<213> Homo sapien

<400> 62  
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aggggatggg ggggttgggg aatattcaaa aaatgtctct gaaggaaggg ggggtgtgtt 180  
gagggccggg cccgggggtg cccacaggct ccgtttctg ggggaaggga ccggcctttg 240  
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cacatggggg ccaagggacc ccgtgtctct tccgtgtgtt ctctgtggtg agaaggagca 420  
gctaattgtt ctggtatata ccagagaagc tgggcggggg aacgaccgtg gcgccaacac 480  
ctggttcctc ggtgtgtaga aattgtgtt accccggctc ccaatttccc ccacaacaac 540  
agcgacaaac caaacgtgaa aaacagagat aaacataaag agtga 585

<210> 63  
<211> 1066  
<212> DNA  
<213> Homo sapien

<400> 63  
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<210> 64  
 <211> 771  
 <212> DNA  
 <213> Homo sapien

<400> 64  
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 gaaaccgggg ggggaaggggt ggggaatccc ccgggggggt aggtgtttgc ccgttggtta 180  
 aaaaaagctt tacgggggag gggcacgagg tggaggagtg gcccaacaaa atatcacagc 240  
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 caaaaaggta gctgcgcccc cggttattat aaacaacctt ataaaattca cagagttata 360  
 ctaatagaag cacagcgggt tccttggtgt gtggctatta taacaaccaa gagtagcgg 420  
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 tccaagacct gggggtgggt ggggggcgct ccccttgggc gtcgcagagg tcaagcgggt 540  
 tctcacagac ggggggaagt ataaaacct gggctggaaa gagggcccgagg aggaagagcg 600  
 tggggggggt aacctagggg gggcagaata gcgagtggtc tccggtgggg agtgaactgt 660

gtggtctctc tcggcgctccc acaacctccc cccaacattc ccggctacga caaaaaagag 720  
 taaaaaaaaa agaaaaggac acaaagaaaa aaaaaaaca tagacgaagg a 771

<210> 65  
 <211> 389  
 <212> DNA  
 <213> Homo sapien

<400> 65  
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 gagtgaacgg tgctagtacc atcagagtgg accatagcac tcaagccctg acaccatgtg 180  
 gaaagcatta acacagatgg acaagacatc acaaaacatg aaccctacgt gagttgcccc 240  
 aattcttttt gtaatataaa cttggctgca atoccaacca acactcatca cctggaaacc 300  
 tagtatataa gccagaaca agggcccca ggaaagggcc aaccactat catacctctt 360  
 gtaaattaaa agaccttgag atcacaatg 389

<210> 66  
 <211> 843  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (415)..(415)  
 <223> a, c, g or t

<400> 66  
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 tgccaaatcc ccctctgcga gaaacacca agaattgatc ataaaaaaaa aaaaaaaaaa 180  
 gtttttcaac ctttgtgtta agagcccaact caagagttgt tgttgtttag ctttctatta 240  
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 aatttgtgac taagcactcc ctttttggct ccctaagagt ggtggctctt ccagngggaa 420  
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 cgtcgagagg aggtgtctcc ccaataacct cgtgctcggc gaactacctg gcttttaata 540  
 cgtgccttaa agatagttcg ggtcctcttt atttaccatt ctcttctctt gggttttcat 600  
 ttttatttca ccaaagggtg gggcggtttt caaaattttt gtggcttcta tctogaaaga 660



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aaaaaaaaac aaaaaaacgc ctgtgggcgc tcgaaccgcg ggggcccaca cgcggttccc 720
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gtg 843

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<210> 67
<211> 2336
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (429)..(429)
<223> a, c, g or t

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<400> 67
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aaccatccga tttctcaatt ttttccccac ttttccccct tttctattcc acaaaaccgc 1140
cattgtcatc atggcccggt ctcaatgagc tggtgggcac acctcccaga cggggtggtg 1200

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 acagacacgg caacaatctg atttctctat cttttcccca cttttccccc ttttctattc 2280  
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<210> 68

<211> 836

<212> DNA

<213> Homo sapien

<400> 68

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 gtggaccctc atggtagaca gaggaggaga ggagttcaat cattcgagca gacgaacgaa 360  
 aaacagccgg tgttcacacc accaagaaaag tgtgtctccc ccacgagggg gataacaacg 420  
 cggggggagg cagcgggcga tgtccgcagc gggggctgct gggaaagaaa agtcctacca 480

caaaaccagt cccttggtggg ggggaagaag agagtgtagc agccgctcct ctgagagaga 540  
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gtgaggtgag cggctgccgc agcgcacaca aaataaataa gaggagggtta ttaaaccgcg 660  
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aacaacacgg tgggacacca acagaggcta tccaccgcgg gggtgaaaaa aagtggtttt 780  
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<210> 69  
<211> 411  
<212> DNA  
<213> Homo sapien

<400> 69  
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<210> 70  
<211> 1343  
<212> DNA  
<213> Homo sapien

<400> 70  
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ggtgaaatgg gttagtccgc tcgacaattt ccaccacaac atacgagcca aggacaaaga 180  
agaagaacac aaagcaaaac acaccagagg ggggaaacaa agaaaaagaa acagaccaca 240  
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aagacagaag cgcacgcaaa acaaacgaca aaacaacaaa aaaatagcaa aaaacagaaa 360  
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cgacgagcgg aggaagtaaa gacagacggg gagactgaag aggaggaacg gagagacatc 600  
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aagaaaagca	gaagcaagaa	cgaagcagac	aaagagagag	cggaaacgac	aagaagagaa	1260
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gagacgaaca	gaacaaacag	aca				1343

<210> 71  
 <211> 3259  
 <212> DNA  
 <213> Homo sapien

<400> 71	
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 cgaacagaac aaacagaca 3259

<210> 72  
 <211> 762  
 <212> DNA  
 <213> Homo sapien

<400> 72  
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 atcgcagcac acaaaaaacg aacacaccga acagacacag agacacaacg accacacaga 720  
 ggacagaaca caaaaggaac acaaacacac acaaagagga gc 762

<210> 73  
 <211> 989  
 <212> DNA  
 <213> Homo sapien

<400> 73  
 gtcctctttt gtgtgtgttt gtgttccttt tgtgttctgt cctctgtgtg gtcgttgtgt 60

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ctctgtgtct gttcgggtgtg ttcgtttttt gtgtgctgcg atgaaatttt gggggaattt 120
gtggcgccgg cggtacccca cctttcccca cccacgcgg gtccccgcgt tggccccggg 180
tttccccccc gccctttttt ttttttttt ttttttttgt taaaaaatgg caccacagt 240
ggttaaatct ctagaaatct cagcaccac ccgaatttga ggtaattcaa tcccataag 300
gaatctggct gtgccttccc taaccctggc cccaaaagaa ttcaatggtg gttcagaata 360
tccaccaag ctatgccttt ctaaacctta ctataacct cccaaggtaa taatgcaata 420
atgcacaatg cccgtgtgtt tcccaccac agtaatttaa ttcttcaatg cttgggtttc 480
tagcacattt tcaaagtttg caggtaaaaa gggtccaaaa caccagttaa tttcttctag 540
tctgcacgtg gggcacggta acatatccta aaggagacca gagttttttt ttttttgttt 600
gtttgtttgt ttgagatggg ttcttgttct gttgccagg ttggagtgat gtggcatgat 660
cttgggtcac tgcaacctct tcctcctggg ttcaagcaat tctcctgcct cagcctcctg 720
agtagctggg actacaggtg tgagccacag cgctggccc gagagttgtc gatatgctcg 780
caggaagtat ttctgtgtta aaaagttgag aagatggaaa ctgaatcctc tttgtattca 840
gaaggctgtt tcggaaggtc actgttgga ggcttctccc tacagggatt cagcagtga 900
ggagcagagt atttggggga caactgcttc ttctggagg gcgagaatga gatggagttc 960
accagcagct ctttatgtca gacttttag 989

```

```

<210> 74
<211> 1725
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (83)..(83)
<223> a, c, g or t

```

```

<220>
<221> misc_feature
<222> (218)..(218)
<223> a, c, g or t

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<400> 74
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aagtgaaga tttaaacttc agggccctca gaatttctca ttacaaaacac ccaagaccaa 180
aatctcctag agatatctcg gtattgtgcy ttctcnaaa tttttctccc attataacct 240
ttaaacaac aaaagccgtg tgggcgttta aatccatgtg gtccatatag ccgtgtgttc 300

```

```

ccgtgtgtgt gtgaacattg tgtttactcc gccctccaca attctccacc acacacacca 360
ttacgcgagc acagggggaa gtgaaagggtg tagaaaacgt agtcggggga aagatagaaa 420
cgacagagca aacacgcaga gctactagaa gagaaaaatc agagagaaag ataaccatcg 480
cgtcaacgac ctgcaggaga gcagagacat ccagagcgca cgcgcggacg aaatagacga 540
gatatgccat acgggacaca gcgcgacacg aggggtatgga tgagaccagc ccaactgaaa 600
gcatatgata agagagcgag actgatacgg acgaaaaagg acgcaaacca cctcgcgga 660
cccctgaact aaagacaaaa agaaagggaag aaaacccaaa catataaaga aagacgagac 720
agacgaggaa caaaaaaaag aaatgaagaa gagagcaaga acgagcagac gataaatgag 780
agaaaacaaa gatagacaga agagagatgg agagagagag agcgaagaag cactatcaac 840
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gaacacgcag cgcgggagat ggtagagaca aagaacgcga tgacagaggg aggcgagggg 1020
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gggcgcgcgt aggtatcaga ccgcgagagt cattgatcga ataggaggag tacgaaggac 1140
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aacctgaaca gacgcagaag acggacagcg aacaaatcga acgagtggag gaggaactaa 1440
cacgaacca tagaagagag caaagcaagc acgcgaaggg agaaagcgac gagcaggaga 1500
gacggacacg aggagcgaga tagagggtgta atattcgca agtagcgaga agactgaaag 1560
tgaacgggcc gaggaatgaa gttaaagagt cgactagaac gacagaggac gcgaaagagt 1620
aagacatagt cggctcaagg cagtagtgat atagagcgta gagcagagga gagagtataa 1680
tgtggtccag gagcgatgag agcggacgct gagtgcgtag tatat 1725

```

```

<210> 75
<211> 1075
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (346)..(346)
<223> a, c, g or t

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<220>  
 <221> misc\_feature  
 <222> (390)..(390)  
 <223> a, c, g or t

<220>  
 <221> misc\_feature  
 <222> (522)..(523)  
 <223> a, c, g or t

<220>  
 <221> misc\_feature  
 <222> (534)..(534)  
 <223> a, c, g or t

<220>  
 <221> misc\_feature  
 <222> (538)..(538)  
 <223> a, c, g or t

<220>  
 <221> misc\_feature  
 <222> (598)..(598)  
 <223> a, c, g or t

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 tgacgtttga atggaatggt ctgtgtcatg cactcacaga tcgctattac tatcctcgtg 180  
 caatgaaggc caatgtgtgc gaccagatcc ttcttatgct aactcgtaag tagaatcggg 240  
 gtagtaactc gcgaatcacc cttagtatat ggagagacct ctattcatcc acacatgcca 300  
 ctactcgact tggaagaatg gcctttgttg gggatatccc gcgcgnagtt gccaaagata 360  
 ggtcctattg gggccagttg agagtacgan ttcgagtatc gattcacgac ctagttctat 420  
 tcccgttaagg tagatgggaa acaatataga tttcaatccc cagccacgag caacaatttc 480  
 gcaaacgagc cacaccgata tgggaagcct aaaaccctgt gnntttccca tgnagtncc 540  
 caacgtttta tgttttttcc ttatttaatg tgtgaagaag ataaaaatta gtccgtgnta 600  
 cttcttaaaa agagagaaaag agacaaaagag agaaaaaaga aaaaaaaaaa aggcgtgtgt 660  
 gcgcgggtgt acaccccgag tgcgcgtccc aatacgcggtg tgggtgtctcc ggtgtgtgtg 720  
 tgtgcacaca tgtgtgtgta tatctcgcgc gcgctocaca aattctccca caccaaaaca 780  
 attttcgttg ttagaacaaa aaattgtaaa aaaaaacaaa aaacaaaaag cacagaacaa 840  
 aaaaaaaaaa caaaagaaag aacaaaacac aaaaaaaaag aagaaaaaaa aagaagaaaa 900

gaacaaacgg aggaaggaaa gagaagagaa aaagaggaag aagaggaata aaacgaggag 960  
 cagagaaaga gaccaacgca aatgagacgc aaagcacaaa caataagaga caagaggaaa 1020  
 aaaaaaaaaag aaagacgcaa agaaagcaaa agcgaacgag gagacagaaa ggcac 1075

<210> 76  
 <211> 491  
 <212> DNA  
 <213> Homo sapien

<400> 76  
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 aagttctcat cgccaacgaa gaacgactgc ataggaagaa tatgaagaaa tagctgctaa 180  
 actgactaag atcgacttca tgtagttgaa gaaatgctct gttcaccgat ggatgccttg 240  
 ctgtctctat taattgatct aaacctgttg agcagtcaga gtcttgactt ggatttagtt 300  
 tagcgtgccc ataggatgca tcgcatcttg gcttactctt ggtcttagct gtttcgctgt 360  
 gtgaaatcgt tatccgctca cgattccatc acaacatgcg gatgcagcac gatatactgc 420  
 actagataaa tggaccaacc aactaaattc tctcaaccag gctgtagtca gtaaaactggc 480  
 ttaacagaga a 491

<210> 77  
 <211> 1440  
 <212> DNA  
 <213> Homo sapien

<400> 77  
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 ggggtgccc taatagactt aaacatataa tgatggctac agaacaata agtatacgac 180  
 aaatgtaaaa acaggaaatg taagctccac tctcaatctc ataccaaggg tgagagttac 240  
 gagatgctaa agcaaaataa atgtaggttc ttattatata tatttcctgt atatcatgca 300  
 gtctgcttct tttagagtatg ccttacggag ttaccaatt taagcttacg aggattgtaa 360  
 gtgcaattgg ctgggaactg acaacatgtg atccaagcta ctacacccct gtgctcactc 420  
 tgtcacttct caaattctgc gcgctggaac acattcacia gaacaacagg gctagagcac 480  
 tgcaaggaaa ccacacacca ccaaactcaa aactcagaaa caccacatc tccagagagg 540  
 cacagagagg atacaaagaa tactgcgcaa gacaaagaaa tccacagact ccacacccca 600  
 gggcacaacc tggaacgcaa aattcaaaaa actaacgcgg accaaacgcg gaagccccga 660  
 cccaaaagag cacaatataa agaggcccca cgcccacgct gcgcgcacca cacgcacacc 720

cgcacggcca acacacaggg ccctgaaaca cacagcacta cacacggggc caacaccaca 780  
 ctactaagca caacccaata caccagcccc ccctcgacgc acacgggatac cccggggacca 840  
 acataaaaca cagacaacaa cgactccaca acacccaact aaaacgcgcc aaacaccacc 900  
 cactcacccc acaagcagca gcgacaaaaa caccacccca accaccaaag cgcaaacacg 960  
 ccccccaaaa acgaccattc agagagccgg ataaaaactc aaacaagagc accacaaaca 1020  
 aaagaccaca tagccaaaac acccatggaa atgtattcag caacaccacc taggactcaa 1080  
 aatccccgca gcaacacaac accaaaacac ttacccccca cccaacacac aaacaaataa 1140  
 taccacgaaa aaaccacaca acgcggtggc cacacccac agcaaacaaa gacacacaaa 1200  
 acacaaaata ccacacacac acagaccaca ccactcaaac aacagcagtc accaacacac 1260  
 acgaccacac acacactacg caccagaact ccaacgcaca aaacacaaca ctactcaca 1320  
 caacacaacc aacgacacca caataaataa acagacaaac aaaccagacc gaacaccacc 1380  
 acaccaccac accagcgaca actacagaca ccacaaacaa caaaaccaa caacaaaagt 1440

<210> 78  
 <211> 1653  
 <212> DNA  
 <213> Homo sapien

<400> 78  
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 tccaagcatg tgtagttaa gtttgcaaag tgggatattg ttcacaaaac acattcaatg 120  
 tttaaacact atttatttga agaacaaaat atatttaaaa ttgtttgctt ctaaaaagcc 180  
 catttccctc caagtctaaa ctttgtaatt tgatattaag caatgaagtt attttgtaca 240  
 atctagttaa acaagcagaa tagcactagg cagaataaaa aattgcacag acgtatgcaa 300  
 ttttccaaga tagcattctt taaattcagt tttcagcttc caaagattgg ttgccataa 360  
 tagacttaaa catataatga tggctaaaaa aaataagtat acgaaaatgt aaaaaaggaa 420  
 atgtaagtcc actctcaatc tcataaaagg tgagagtaag gatgctaaag caaaataaat 480  
 gtaggttctt tttttctatt tccgtttatc atgcaatctg cttctttgat atgccttacg 540  
 gagttacca atttaagctt acgaggattg taagtgcaat tggctgggaa ctgacaacat 600  
 gtgatccaag ctactacacc cctgtgtcct ctctgtcact tctcaaattc tgcgcgctgg 660  
 aacacattca caagaacaac agggctagag cactgcaagg aaaccacaca ccaccaaact 720  
 caaaactcag aaacacccac atctccagag aggcacagag aggatacaaa gaatactgcg 780  
 caagacaaaag aaatccacag actccacacc ccagggcaca acctggaacg caaaattcaa 840  
 aaaactaacg cggaccaaac gcggaagccc cgacccaaaa gagcacaata taaagaggcc 900

<210>	79
<211>	300
<212>	DNA
<213>	Homo sapien

```
<210> 80
<211> 486
<212> DNA
<213> Homo sapien
```

[illegible]

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gacgtagtaa cctctgacac aagctttttt tttttttttt ttttttttcc ctattgtaat 420  
tgatccattt tttttttgat caatacaaaa aaatttcctt attttaataa acccaaaacc 480  
ttggtt 486

<210> 81  
<211> 736  
<212> DNA  
<213> Homo sapien

<400> 81  
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agggcagggc tgaccagtac aggtcctgac agaggacgag aaaaggagag ctcgaagact 120  
tggtctgcaa tggacttttg aacgtacaga agatagctgg aggaaattca gccagaagtg 180  
ggctgtgctg ttcacttggc agcggtcggc gcactgtcta agcaagcagc cagtcaccat 240  
gatcttgttt attcaccact ttcactgaga aggacaccag tttatcgtaa cccaatgggc 300  
gagaataagt aggaagcgtt acgtaattca gttaaacttg tcttggacga caaatttgga 360  
gacttggctt tctagatttc ctgtccagca gatgctattg gaaagatgtg aattgcactg 420  
agcttgtagc actattcctt ttctgcaaag atagaccata gttaacagtg cgttagtgc 480  
acatgactag tgctaccctt ctttgggaag caacttggc cgtcagtcaa gtttgggcaa 540  
atctaaagtt agcaaaggat ttctgccctt gaaggcacc ataatcgaga aaaaacaaga 600  
gaataccact cggaacacag accatataaa gtccgggggtg aggaagacac agcggggggcg 660  
aaggaagtgc gttccacaca cgtgggggaa gcctatttag agatcccccg tcagaggaaa 720  
caggatcgca aaagac 736

<210> 82  
<211> 191  
<212> DNA  
<213> Homo sapien

<400> 82  
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actaatatcc agcacaatca aaggcgagcc aggccatgtg tcccttgaca cagttctaag 120  
ataaactctt ggtatctctt aacttctagg tggaagacat atacatacag cccattccca 180  
tgagaggggac c 191

<210> 83  
<211> 200  
<212> DNA  
<213> Homo sapien

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<400> 83
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tgtgatggat gcggcgcccc gcgcgtctag ttgagagagc tgtttgcctt gttctagaat 120
tcttattttt catttctttt ctttcttgta attcttattt ttggtttgcc tggactgttt 180
tgcatactcc aatctttctt 200

```

```

<210> 84
<211> 292
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (173)..(173)
<223> a, c, g or t

```

```

<400> 84
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aacaatacaa aaatcaaaag ctgggtgtat cagtggctca taggcgtgtt ccccggggtg 120
gtgaaattgg tcttactccg cctcacaatt ccacacacac attacgagca agntggggca 180
aacgcgaacg aggaggggaca caagagagca gcagacgaga cgaaaaaaga aaccaatgaa 240
gcggaaagga gaagaaacag aggaagaaag ggaggaagat aaacaagaaa gg 292

```

```

<210> 85
<211> 437
<212> DNA
<213> Homo sapien

```

```

<400> 85
gcgtgggtcc gcgaggtcc cccccccctt tttttttttt tttttttttt ttctgtggga 60
agggctaatt ttaattaatt ttctgtaagc cttagggtaa aaacacctta ggcggaaatt 120
ttaactattc aaaaaaaagc agttcctacc aattccatgg gtttttaata cctctaacca 180
gatgtgggaa acgcatttaa ctggaaagca aaatatttag agagaaaata cgactattta 240
tccaaattat ataaaatgct tgtacgatag gagaataaat gttgctttcc aagggaacag 300
gcacaacact tatttttata gacggcatgt taaaacgctg ggcgtacatc tatgtgccat 360
acgcttggtc tcttggttgt ggacaatggt gtatccccgc ccacattcc cccacaaact 420
taccgaaca acacgat 437

```

```

<210> 86
<211> 762
<212> DNA
<213> Homo sapien

```

<220>  
 <221> misc\_feature  
 <222> (450)..(450)  
 <223> a, c, g or t

<220>  
 <221> misc\_feature  
 <222> (544)..(544)  
 <223> a, c, g or t

<220>  
 <221> misc\_feature  
 <222> (548)..(548)  
 <223> a, c, g or t

<220>  
 <221> misc\_feature  
 <222> (631)..(631)  
 <223> a, c, g or t

<220>  
 <221> misc\_feature  
 <222> (633)..(633)  
 <223> a, c, g or t

<400> 86  
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 gatttttttct ttggccccc ttttttattt tccccctctt ggaatttcac aaaggtaaata 120  
 taaagaagat atttgtaaata taacacagag aatttatctc acaccattat aaaattctat 180  
 ttctcacaca aggggggataa acaaagaaca gggagtgaca cgccaaggct cagagagacc 240  
 ttttttaaaat aaagagtgga ggcaaaatac ccccggtgcg aacacagaga tctcttggtg 300  
 ggtccacgtg tgaatatctc aatatcacca cgagacagag acaccacact cgtgtgtgtc 360  
 cccgctgaga atattatata caacactcac cactctctat ctcttatata tatagagagg 420  
 ccgcgcgtga tagagagtgc gtgctgtctn ccctctctag agagatctct ctctatatct 480  
 ctctatagag agagaggtct ctctctgga gagatatctc tcctctctta tatataagag 540  
 cgcntggngc gcgtatatct ctgcggtggc gccacatacg cgtgtgtgtc tctcgcgtgt 600  
 gtgtgtagaa catgtgtgtg tatatctcgc ngncctctcac acatatctct ctcacacaca 660  
 caacacattt tccgcgagca ccacaacaac taacgtggca cccacacaaa cccaacaccc 720  
 caaccacac acccacacca caagcgacac caaccacac ac 762

<210> 87  
 <211> 476

<212> DNA  
<213> Homo sapien

<400> 87  
gggattttaat atatagcgat ggtcttaatc attcgagcgc gcagtgtatg atcgtgtcgc 60  
ggcgagggttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 120  
tcattttttt tttttctttt tttttttttt acaaaaaaat tttctttttt tataaccccc 180  
aaatttgctt ttttggtttt ttttggttaa tttttttccg tccccaaatc cccacaacaa 240  
tcatcaacaa aacatgtcat ggtagatgca gtcccgctg ctcaccagca cactacgctg 300  
tacagctacc aacacgagct cagagagcag gacgaagtac atgcaatcgt agctgactag 360  
agagcactga catgagcggg gtggacgata tcacggtcgc agagcgtagt aaagtcggca 420  
agtgaactga aggacatagg agatagatca gatagtagca cattgggtcat atacgt 476

<210> 88  
<211> 842  
<212> DNA  
<213> Homo sapien

<400> 88  
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aatcctcttg ggatcgcgca tggcgtgagc tgtggtgctg acataaagta cgtgggtgctg 120  
aactacgtgg agttcttcta gtcttggtta ctagtgcgga ctataccact ggatcaggtc 180  
ttcgatcttt agttcgtggg aacatatgtt aacgagccaa gctacgaaga catggctcgc 240  
cagacttgtg ggcaacgcac ggggtgcagg ttgtcagtgc ttattggggc tgtgtaagta 300  
caagcgcaat tcgtagcccg catagacatg caaggacatg gactagaact tgcccaagat 360  
gcctacaacg aagagcgagc gtgttaacaa actacgcaat atgcaatgac tatggcctca 420  
gtagagtaat attgagtagt gcctccatgg gttctagttt aagggcgata acacctagt 480  
tttgaatttc acacattctt aaacagtact aacgttttag agacctaggg tacattcttg 540  
catggacatg ggtagcgtat ctaaccctag aaataagaac cacgtcactg aagaatagac 600  
ctacttccaa ggtaacccat cgtttttttag aaaacccgag gatttaaccg cgagagagaa 660  
tcctaggagt ctcaaggaag agtttaactt aaagggggtg ggctccgtgg gaaaggggtg 720  
gtttccccta aacgaattaa tctcagagtt attcccgtgt ttaaatttaa caagtcttcc 780  
cattttaagc caagttggca aaaaacacca aaaacaaaca aaaacaaaca caaaaaaca 840  
gt 842

<210> 89  
<211> 1729  
<212> DNA



<400>	89					
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tcacacatat	aattttccga	gacaagatgt	tctcatttaa	gcaacaagaa	gattcgtctc	120
tcgctattac	tgtaactgct	gtttatatcg	tcatgtcccg	gaaagggtccc	tgtcttccct	180
gaatgggtctc	taccaacttc	acctccggtt	ctagggtgtca	tggctgcccc	aagagtctag	240
agacgacaac	ttctccgctt	cctcggcgat	ggcggcgctc	gggagcggta	tgtcccagaa	300
aacctgggaa	ctggccaaca	acatgcagga	agctcagagt	atcgatgaaa	tctacaaata	360
cgacaagaaa	cagcagcaag	aaatcctggc	ggcgaagccc	tggactaagg	atcaccatta	420
ctttaagtac	tgcaaaatct	cagcattggc	tctgctgaag	atgggtgatgc	atgccagatc	480
gggaggcaac	ttggaagtga	tgggtctgat	gctaggaaaag	gtggatgggtg	aaaccatgat	540
cattatggac	agttttgctt	gcctgtggca	gggcactgaa	acccgagtaa	atgctcaggc	600
tgctgcatat	gaatacatgg	ctgcatacat	agaaaatgca	aaacaggttg	gccgccttga	660
aaatgcaatc	gggtggtatc	atagccaccc	tggctatggc	tgctggcttt	ctgggattga	720
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gcctaaagtg gtccacctag ctcagcctac caaagtgctg tgattacagg cgtgagccac 600  
catgcccagc ctctaaattc tgttttctat tcaaagtaaa aatgacatgt gtttgagtca 660  
aaaaaaaaaa aaaaaaaggt ggggggtcggg aaagggcccg gggaattgtt cccggccatt 720  
caat 724

<210> 104  
<211> 734  
<212> DNA  
<213> Homo sapien

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gggtgtgttt tagaagcgcc aggcgccagg gtgtcctcgt gtgccccgtt cttggggagg 240  
ggacgcgcct ttgaggaagg gatttcttgg gctaacgcct atatgtctgg cgtccccatt 300  
ccatgtatta aaaatttctc tgagaaaatt tcttatgctg gccctattcg ttgttggtgg 360  
ttgcccattgt tccttccaat acatgcgcgg tcaaggggac ccccgagggc ccttctgcgg 420  
tcccttggtg aagaaggggc gaagatatgt ctcttggtta atcactagta taaagccggt 480  
ggcgtgcata tcaactcaagt gtgccatata tgccgggtct tctgggggtg tgatatatgt 540  
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<210>	105
<211>	648
<212>	DNA
<213>	Homo sapien

<210>	106
<211>	580
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<213>	Homo sapien

[illegible]

atttttttcc ccttcccaat ttccccaaa aatttgacaa

580

<210> 107  
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 <212> DNA  
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 <223> a, c, g or t

<400> 107  
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 cggaaaaacc atttcccttt tggaacacag ggaaccaaca atttccctta gaaaccaatt 1260  
 ttggaaaaag gccccaaaac actgtggttt cccccagt gggcaaacag cagcctttt 1320  
 ccacttcca aaaaaggcct ttggagagcc ggttaaaact ccaatagggg ttcccaacta 1380

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<212>	DNA
<213>	Homo sapien

<210>	109
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tttttttatt ttctcccaa aacccttttt ttggaaaaaa ttaaaagttg caatgagggg 180
ttttctttat aaaaaaata ttaaaaactag gggcattcta ttattccaaa aaaagtttaa 240

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tttgctat ttt gttgacaaag cacatcacga gtgggtgtat aagctgggtcc tctcttatat 300
ttttcagaga aaatattatt ctcacagtgt ccatgtctat tccatcaccg tgtgttcaag 360
gagaaaaatct cgtcggggcgt gtaactcact tgggggtgcat aagtgtgtgt tacctctgtg 420
tgaaatattg tgttttatcc ccgttccaca atattcccac aacaacatct aaccagaaca 480
cacacngtc tgcagcaaga ggcggggcgcg cagaggacaa gagacgggac aacgagcaag 540
agaccaagca gcggaggcaa gagaaggaga gagggagta c 581

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<210> 110
<211> 862
<212> DNA
<213> Homo sapien

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ttaaaaaaat tccccccccc ccccttttaa aacccaata gtggggggccc cctggggggg 180
gaaaaaacagc ggtgggtggg tcgctgaaaa tgtagtctac taagtagata aaacagctgt 240
gttcttgtgt ggtggcccca cccgttgttc cacatcttct attaatagat agtgtggtgg 300
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ggaaaaaac tttattgttc accacacatg cgtgggtaga tcacaacagc aaaagaagat 420
gtgtcaaaat aaatgggtgt gctaaagaag ccgggtggcg tggaagacaa acactattag 480
tgatcatggt gtgtcggagt gtgtgtgatt atcctccgc gcgggtaaga agagaggtgg 540
tggtctgcaa cacaagagg ggcggcgga ggaggagaga acaaccatct atcaccgcg 600
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aggaagaaag gggttgctcc gcgcggcgcg cccaacccc tccacacaac accctatacc 780
gcacacaaca aaccaaacca caacctcgga cacagtcaac aagagaatat aaaaaaatat 840
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<210> 111
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<212> DNA
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aagggctaataat ggagccccgaa aggtatcatc gccagcatgg caacaagaat gagccaacag 180  
gccgacaaaag attgaacgga taatcatagc caccatacga agttctcatg actgtacggg 240  
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<210> 112  
<211> 638  
<212> DNA  
<213> Homo sapien

<400> 112  
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tttttttaaa atttgtaaat tttttttttg tctcttcccc ccaaaacccc ctttttttaa 180  
atttttacgt ttttcggggt ttttttaaaa aaaaattaaa acagctttta acaccttttt 240  
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taagccgatc cggggtgtgc gtcggagcat aaactatggg gaggcaatag caggcagtga 420  
ggcagctcgg aggtctgtat acatcggtg ttgtggagta acatgtgtca ttgtccgcgc 480  
gtcccaccaa ttccgcaagc aacaaacttt gtaacgagag agcagataca ggagatcagc 540  
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<210> 113  
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 <212> DNA  
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 aaaaaaaaaa aaagggtgtg gacttggggg atgtgggtgga agggaatata cggtgcccca 180  
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 aacgaaaaac gaacagcaac aggagaaaga agaacaaaca cgacacacac gaaacagaag 420  
 gagaagagaa agagagagaa acaccaacac acagcaacca agaaaagacg aaaaagaaag 480  
 ggaaaaaaga gaaagaaaag aagaaaaaag agaaaaacaag aagaaagaac accagaaaga 540  
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<210> 115  
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 <212> DNA  
 <213> Homo sapien

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catgggccag ccaggcaagg ctggccactg taatccctct gactgctttg gggccatgcc      180
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acctgccttt ggatgaaaga ctccgttggg aataaatggc caaagcttat aggactctgt      300
gacaggttgt gaatgttttt tttgttgttg ttgttgtttt taattgctgt taatatTTTT      360
taaataataa agaaacaaaa ctaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaggtgtgg      420
gacttggggg atgtggtgga agggaatata cggtgcccca ttatctttta aaccgtgtgt      480
tccccTTTTT aaataccggg gattatTTTT ttccaaggga cagttttttt aaagaaaact      540
ttggagagtg ggggaggaac cacatggggc aaaacggcgt gtccccgggt gggaaatgtg      600
ggtgcaccgg gctcaaaatt cccaccaaac aattcgagac aacgaaaaac gaacagcaac      660
aggagaaaga agaacaacaa cgacacacac gaaacagaag gagaagagaa agagagagaa      720
acaccaacac acagcaacca agaaaagacg aaaaagaaag ggaaaaaaga gaaagaaaag      780
aagaaaaaag agaaaacaag aagaaagaac accagaaaga aaagaaaaac acaaagacaa      840
gacaacacac aaaacaaaga aaaacagggc gaacaacaaa agaagacaaa aacagcaacg      900
aaaaacagga gagaactaaa acaaagag                                     928

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<210> 116
<211> 82
<212> PRT
<213> Homo sapien

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<400> 116

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Met Met Arg Glu Ser Phe Phe Val Leu Ala Val Leu Ile Ile Leu Gly
1          5          10          15

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Gly Ala Thr His Pro Pro Pro Pro Pro Pro Cys Ser Thr Pro Ala Val
20          25          30

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Val Phe Pro Pro Ser Leu Val Gln Pro Val Phe Ile Met Thr Cys Cys
35          40          45

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Tyr His Val Val Leu Leu Phe Val Ala Pro Leu Cys Gly Gly Pro Pro
50          55          60

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Pro Leu Glu Arg Ala Ser Pro Val Pro Phe Val Gly Arg Gln Gln Gln
65          70          75          80

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Ser Ala

<210> 117  
 <211> 35  
 <212> PRT  
 <213> Homo sapien  
 <400> 117

Met Val Phe Phe Phe Phe Phe Phe Phe Lys Lys Trp Ser Leu Cys Asn  
 1 5 10 15

Phe Ala Lys Val Asp Phe Glu Phe Arg Gly Pro Ile Asp Pro Pro Thr  
 20 25 30

Ser Ala Ser  
 35

<210> 118  
 <211> 107  
 <212> PRT  
 <213> Homo sapien  
 <400> 118

Met Tyr Leu Gly Pro Leu Arg Asn Leu Leu Asp Val Ser Lys Lys Lys  
 1 5 10 15

Lys Lys His Pro Gln Lys Glu Gln Pro Arg Gly Ala Leu Glu Cys Gly  
 20 25 30

Ser Pro Leu Ser Val Val Leu Cys Phe Ser Pro Ile Ser Phe Leu Glu  
 35 40 45

Ala Arg Glu Gly His Pro Ser Val Gly Ser Ser Thr Ile Leu Leu Glu  
 50 55 60

Ala Ser His Ser Pro Ala Phe Leu Leu Leu Pro Lys Pro Val Phe Leu  
 65 70 75 80

Leu His Leu Gly Glu Gly Gly Lys Cys Val Pro Gly Leu Glu Asn Trp  
 85 90 95

Cys Leu Thr Gly Lys Val Ser Gly Pro Pro Arg  
 100 105

<210> 119  
 <211> 75

&lt;212&gt; PRT

&lt;213&gt; Homo sapien

&lt;400&gt; 119

Met Ala Thr Pro Val Phe Gln Leu Leu Arg Pro Arg Thr Leu Gly Tyr  
 1 5 10 15

Leu Arg Thr Leu Leu Leu Ser Phe Pro Met Ser Gly Glu Ser Leu Ser  
 20 25 30

Phe Val Asp Cys Ala Thr Lys Met Tyr Leu Glu Ser Asp His Ile Ser  
 35 40 45

Gly Thr Ser Ala Ala Thr Arg Ile His His Asn Leu Ala Ala Ala Glu  
 50 55 60

Gln His Leu Gly Asp Thr Ser Pro His Arg His  
 65 70 75

&lt;210&gt; 120

&lt;211&gt; 195

&lt;212&gt; PRT

&lt;213&gt; Homo sapien

&lt;400&gt; 120

Met Ala Pro Gly Tyr Pro Pro Ser Phe Leu Lys Lys Lys Trp Leu Leu  
 1 5 10 15

Glu Asn Lys Arg Arg His Pro Arg Lys Leu Gly Glu Glu Thr Thr Phe  
 20 25 30

Cys Pro Ser Pro Pro Tyr Gly Gly Leu Arg Glu Pro Thr Gly His Arg  
 35 40 45

Gln Pro Leu Phe Ser Leu Asp Arg Ala His Glu Lys Val Pro Pro Arg  
 50 55 60

Arg Tyr Ile Val Leu Val Gly Thr Gln Ala Ser Gly Pro Val Val Arg  
 65 70 75 80

Val Arg Asp Asn Thr Leu Gly Lys Lys Asn Lys Ser Asn Asn Leu Val  
 85 90 95

Leu Leu Leu Ala Tyr Arg Thr Arg Lys Arg Asn Thr Arg Ser Arg Leu  
 100 105 110

Arg Leu Ser Gln His Met Arg Glu Lys Ala Leu Gln Thr Trp Leu Glu

115

120

125

Ser Trp Thr Phe Val Lys Gly Glu Lys Ile Val Pro Ala Pro His Val  
 130 135 140

Leu Leu Thr Ala Leu Arg Ser Thr Gly Asn Pro Gln Arg Lys Gly Gly  
 145 150 155 160

Gly Glu Ser Trp Val Leu Gly Trp Glu Gln Leu Cys Gly Thr Pro Pro  
 165 170 175

Glu Leu Arg Val Trp Val Lys Gly Ser His Asn Ser Phe Phe Lys Lys  
 180 185 190

Asn Lys Phe  
 195

<210> 121  
 <211> 36  
 <212> PRT  
 <213> Homo sapien

<400> 121

Met Ser Cys Phe Phe Phe Ala Phe Leu Lys Met Glu Val Thr Ala Lys  
 1 5 10 15

Trp Glu Ile Asn Leu Pro Ile Asn Ser Cys Asn Met Thr Thr Ala Glu  
 20 25 30

Gln Cys Leu Glu  
 35

<210> 122  
 <211> 117  
 <212> PRT  
 <213> Homo sapien

<400> 122

Met Leu Arg Gly Ala Arg Glu Thr His Ile Ser Thr His His Ala Trp  
 1 5 10 15

Asn Thr Ala Leu Leu Glu Thr Thr Arg Asp Val Tyr Pro Pro Gln Leu  
 20 25 30

Ser Cys Leu Gly Gly Glu Arg Lys Ile Trp Leu Val Arg Gln Gly Gly  
 35 40 45

Phe Val Pro His Leu Arg Gly Gly Gly Glu Asn Ile Pro Arg Leu Val  
 50 55 60

Phe Val Tyr Lys Thr Asn Lys Cys Lys Lys Leu Ser Thr Asn Phe Phe  
 65 70 75 80

Gly Thr Lys Gly Val Gly Val Ser Arg Arg Ser Phe Ala His Gly Thr  
 85 90 95

Ala Glu Trp Ser Gln Ser Ser Val Glu Thr Lys Ile His Phe Ala Ser  
 100 105 110

Thr Phe Lys Pro Val  
 115

<210> 123  
 <211> 10  
 <212> PRT  
 <213> Homo sapien

<400> 123

Met Gly Arg Ser Leu Glu Val His Gly Val  
 1 5 10

<210> 124  
 <211> 42  
 <212> PRT  
 <213> Homo sapien

<400> 124

Met Trp Arg Lys Gln Phe Pro Pro Gly Glu Thr Val Trp Pro Gly Phe  
 1 5 10 15

Pro Pro Gly Phe Phe Phe Phe Leu Leu Cys Phe Phe Gly Asn Ser Phe  
 20 25 30

Met Thr Phe Asn Leu Thr Met Asn Tyr Gln  
 35 40

<210> 125  
 <211> 315  
 <212> PRT  
 <213> Homo sapien

<400> 125

Phe Tyr Tyr Lys Thr Lys Ile Thr Lys Thr Gly Trp Tyr Trp His Lys  
 1 5 10 15



Asp Lys His Leu Asp Gln Ala Asn Arg Ile Glu Thr Ala Glu Val Asn  
20 25 30

Ser Tyr Ile Tyr Leu Gln Leu Asn Phe Tyr Lys Gly Val Arg Thr Ile  
35 40 45

Pro Ser Glu Asn Asn Ile Phe Asn Lys Ser Leu Trp Val Asn Cys Ile  
50 55 60

Asp Thr Cys Lys Thr Met Lys Leu Asp Ser Ala His Ile Leu Tyr Ala  
65 70 75 80

Lys Ile Asn Phe Asn Ala Leu Gln Thr Ala Ile Gln Glu Leu Lys Leu  
85 90 95

Lys Ile Ile Glu Glu Lys Val Arg Val Thr Leu His Asp Leu Ala Phe  
100 105 110

Asn Asn Glu Leu Ser Ile Met Ile Pro Lys Thr Gln Ala Ile Lys Asn  
115 120 125

Lys Lys Asp Lys Arg Gln Pro Thr Lys Trp Glu Lys Ile Cys Ala Asn  
130 135 140

Tyr Ile Ser Asn Lys Asp Leu Leu Ser Arg Leu Ala Leu Leu Gln Pro  
145 150 155 160

Tyr Thr Lys Thr Ala Leu Ile Ala Lys Leu Pro Lys Asp Leu Asn Arg  
165 170 175

His Phe Phe Lys Glu Asp Ile Leu Val Ala Gln Lys His Met Lys Arg  
180 185 190

Cys Ser Ile Ser Leu Ile Ile Arg Glu Met Gln Ile Lys Ser Pro Met  
195 200 205

Arg Tyr His Phe Thr Pro Thr Arg Met Ala Ile Ile Lys Lys Lys Thr  
210 215 220

Glu Asn Asn Lys Gly Phe Ser Gly Cys Gly Glu Ile Cys Asn Phe Ile  
225 230 235 240

His Cys Trp Ala Glu Tyr Thr Met Ala Gln Pro Pro Trp Arg Thr Val  
245 250 255

Trp Glu Val Leu Gln Lys Val Glu Gln Asn Tyr Asn Met Thr Gln Gln

260

265

270

Ile Pro Leu Leu Asp Ile Tyr Pro Gln Lys Asn Lys Thr Cys Cys Pro  
 275 280 285

Leu Lys Pro Cys Thr Gln Met Phe Thr Ala Ile Leu Phe Ile Ile Ala  
 290 295 300

Lys Lys Lys Val Glu Thr Thr Asn Gln Trp Ile  
 305 310 315

<210> 126

<211> 66

<212> PRT

<213> Homo sapien

<400> 126

Met Phe Leu Pro Tyr Gly Lys Ser Glu Ala Ala Arg Glu Ala Ser Gly  
 1 5 10 15

Ala Cys Lys Thr Thr Asp Gly Ile Val Ser Glu Leu Thr Met Asn Thr  
 20 25 30

Cys Ser Pro Leu Ser Ile Asp Gln Ser Lys Ser Asn Val Val Gly Lys  
 35 40 45

Gly Pro Ser Pro Thr Val Gly Gly Glu Gly Cys Gly His Leu Pro Leu  
 50 55 60

Ala Asp  
 65

<210> 127

<211> 40

<212> PRT

<213> Homo sapien

<400> 127

Met Glu Thr Lys Tyr Val His His Gln His Ile Phe Tyr Tyr Arg Leu  
 1 5 10 15

Pro Asn Ile Arg Phe Thr Asn Phe Ser Asn Phe Pro Thr Arg Asp Leu  
 20 25 30

Ser Phe Asn Val Pro Arg Asn Tyr  
 35 40

<210> 128  
 <211> 80  
 <212> PRT  
 <213> Homo sapien

<400> 128

Met Gly Val Gly Ala Gly Arg Thr Phe Phe Thr Arg Gly Pro Ser Ser  
 1 5 10 15

Gly Pro Val Val Arg Arg Asn Ala Leu Pro Phe Phe Phe Leu Lys Lys  
 20 25 30

Gly Val Ser Cys Leu Phe Cys His Arg Leu Gly Gly His Asn Trp Glu  
 35 40 45

Gln Ile Val Gly Gly Ser Val Ile Arg Phe His Pro Pro Thr Gly Val  
 50 55 60

Tyr Ser Ala Ile Leu Pro Val Ala Arg Leu Pro Cys Leu Pro Trp Arg  
 65 70 75 80

<210> 129  
 <211> 88  
 <212> PRT  
 <213> Homo sapien

<400> 129

Met Tyr Leu Ser Phe Met Ser Pro Arg Arg His Thr Gln Lys Val Lys  
 1 5 10 15

Ser Pro Gly Arg Gly Leu Arg Ser Leu Pro Ser Gly Leu Pro Pro Ala  
 20 25 30

Arg Glu Ala Pro Gln Cys Gly Arg Pro Leu Pro Arg Pro Thr Pro Arg  
 35 40 45

Leu Cys Pro Val Pro Thr Leu Ala Val Trp Ala Thr Pro Ser Glu Leu  
 50 55 60

Leu Glu Ala Thr Asn Thr Gln Val Ser Tyr Ser Thr Ser Thr Asp Pro  
 65 70 75 80

Gly Leu Met Gly Leu Tyr Ile Lys  
 85

<210> 130  
 <211> 49  
 <212> PRT

<213> Homo sapien

<400> 130

Met Asn Gln Asn Arg Gly Ser Gln Ser Arg Glu Lys Lys Ile Leu Gly  
1 5 10 15

Ser Glu Ser Thr Leu Cys Pro Phe Glu Leu Gln Lys Glu Lys Glu Thr  
20 25 30

Lys Ala Lys Ser Asn Gly Gly Gln Ala Ala Arg Tyr Leu Pro Gly Arg  
35 40 45

Arg

<210> 131

<211> 87

<212> PRT

<213> Homo sapien

<400> 131

Met Val Val Phe Val Ser Cys Met Tyr Arg Phe Cys Ser Leu Arg Leu  
1 5 10 15

Leu Thr Val Gly Arg Arg His Lys Met Gly Ala Asp Cys Phe Ser His  
20 25 30

Asn Ile Cys Gly Gly Asn Cys Gly Ala Gly Met Thr Pro His Phe Gln  
35 40 45

His Gln Gly Thr Ser Val Met Ala His Glu Phe Ser Val Pro Ser Phe  
50 55 60

Ser Cys Glu Ser Gln Asp Ile Ser Cys Ala Phe Ser His Lys Asp Thr  
65 70 75 80

Arg Glu Gly Pro Gly Val His  
85

<210> 132

<211> 26

<212> PRT

<213> Homo sapien

<400> 132

Met Leu Ser Ser Gly Ala Val Val Met Ile Glu Arg Arg Pro Gly Gln  
1 5 10 15

Val Leu Ala Leu Lys Thr Ile Thr Lys Gln  
                   20                  25

<210> 133  
 <211> 519  
 <212> PRT  
 <213> Homo sapien

<400> 133

Met Thr Cys Pro Asp Lys Pro Gly Gln Leu Ile Asn Trp Phe Ile Cys  
 1                  5                  10                  15

Ser Leu Cys Val Pro Arg Val Arg Lys Leu Trp Ser Ser Arg Arg Pro  
                   20                  25                  30

Arg Thr Arg Arg Asn Leu Leu Leu Gly Thr Ala Cys Ala Ile Tyr Leu  
                   35                  40                  45

Gly Phe Leu Val Ser Gln Val Gly Arg Ala Ser Leu Gln His Gly Gln  
                   50                  55                  60

Ala Ala Glu Lys Gly Pro His Arg Ser Arg Asp Thr Ala Glu Pro Ser  
 65                  70                  75                  80

Phe Pro Glu Ile Pro Leu Asp Gly Thr Leu Ala Pro Pro Glu Ser Gln  
                   85                  90                  95

Gly Asn Gly Ser Thr Leu Gln Pro Asn Val Val Tyr Ile Thr Leu Arg  
                   100                  105                  110

Ser Lys Arg Ser Lys Pro Ala Asn Ile Arg Gly Thr Val Lys Pro Lys  
                   115                  120                  125

Arg Arg Lys Lys His Ala Val Ala Ser Ala Ala Pro Gly Gln Glu Ala  
                   130                  135                  140

Leu Val Gly Pro Ser Leu Gln Pro Gln Glu Ala Ala Arg Glu Ala Asp  
 145                  150                  155                  160

Ala Val Ala Pro Gly Tyr Ala Gln Gly Ala Asn Leu Val Lys Ile Gly  
                   165                  170                  175

Glu Arg Pro Trp Arg Leu Val Arg Gly Pro Gly Val Arg Ala Gly Gly  
                   180                  185                  190

Pro Asp Phe Leu Gln Pro Ser Ser Arg Glu Ser Asn Ile Arg Ile Tyr

195

200

205

Ser Glu Ser Ala Pro Ser Trp Leu Ser Lys Asp Asp Ile Arg Arg Met  
 210 215 220

Arg Leu Leu Ala Asp Ser Ala Val Ala Gly Leu Arg Pro Val Ser Ser  
 225 230 235 240

Arg Ser Gly Ala Arg Leu Leu Val Leu Glu Gly Gly Ala Pro Gly Ala  
 245 250 255

Val Leu Arg Cys Gly Pro Ser Pro Cys Gly Leu Leu Lys Gln Pro Leu  
 260 265 270

Asp Met Ser Glu Val Phe Ala Phe His Leu Asp Arg Ile Leu Gly Leu  
 275 280 285

Asn Arg Thr Leu Pro Ser Val Ser Arg Lys Ala Glu Phe Ile Gln Asp  
 290 295 300

Gly Arg Pro Cys Pro Ile Ile Leu Trp Asp Ala Ser Leu Ser Ser Ala  
 305 310 315 320

Ser Asn Asp Thr His Ser Ser Val Lys Leu Thr Trp Gly Thr Tyr Gln  
 325 330 335

Gln Leu Leu Lys Gln Lys Cys Trp Gln Asn Gly Arg Val Pro Lys Pro  
 340 345 350

Glu Ser Gly Cys Thr Glu Ile His His His Glu Trp Ser Lys Met Ala  
 355 360 365

Leu Phe Asp Phe Leu Leu Gln Ile Tyr Asn Arg Leu Asp Thr Asn Cys  
 370 375 380

Cys Gly Phe Arg Pro Arg Lys Glu Asp Ala Cys Val Gln Asn Gly Leu  
 385 390 395 400

Arg Pro Lys Cys Asp Asp Gln Gly Ser Ala Ala Leu Ala His Ile Ile  
 405 410 415

Gln Arg Lys His Asp Pro Arg His Leu Val Phe Ile Asp Asn Lys Gly  
 420 425 430

Phe Phe Asp Arg Ser Glu Asp Asn Leu Asn Phe Lys Leu Leu Glu Gly  
 435 440 445

Ile Lys Glu Phe Pro Ala Ser Ala Val Ser Val Leu Lys Ser Gln His  
 450 455 460

Leu Arg Gln Lys Leu Leu Gln Ser Leu Phe Leu Asp Lys Val Tyr Trp  
 465 470 475 480

Glu Ser Gln Gly Gly Arg Gln Gly Ile Asp Lys Leu Ile Asp Val Ile  
 485 490 495

Glu His Arg Ala Lys Ile Leu Ile Thr Tyr Ile Asn Ala His Gly Val  
 500 505 510

Lys Val Leu Pro Met Asn Glu  
 515

<210> 134  
 <211> 66  
 <212> PRT  
 <213> Homo sapien

<400> 134

Met Gly Arg Asp Lys Ser Glu Val Thr Val Asn Asn Lys Val Met Phe  
 1 5 10 15

Tyr Gly Tyr Phe Ile Gly Asp Lys Phe Ile Thr Arg Ala Ile Ser Tyr  
 20 25 30

His Val Leu Ile Leu Pro Gly Cys Asn Met Val Thr Leu Glu Thr Gln  
 35 40 45

Ile Leu Asn Ile Gly Val Lys Thr Thr Ser Cys His Ser Ile Leu Ser  
 50 55 60

Thr Val  
 65

<210> 135  
 <211> 91  
 <212> PRT  
 <213> Homo sapien

<400> 135

Met Val Cys Val Val Val Ala Cys Gly Trp Ala Asp Val Cys Val Pro  
 1 5 10 15

Ser Trp Cys Val Leu Cys Cys Ser Val Val Ser Trp Leu Val Val Val

134  
 66  
 PRT  
 Homo sapien  
 134  
 135  
 91  
 PRT  
 Homo sapien  
 135

20

25

30

Cys Trp Cys Leu Tyr Ala Ser Val Leu Cys Glu Ser Ala Val Thr Val  
35 40 45

Val Ala Leu Leu Cys Ser Leu Ala Ser Ala Ser Val Gly Val Trp Trp  
50 55 60

Ser Val Phe Trp Trp Cys Ser Phe Leu Leu Cys Val Leu Cys Val Val  
65 70 75 80

Phe Asp Arg Leu Arg Trp Pro Ala Ile Cys Thr  
85 90

<210> 136

<211> 76

<212> PRT

<213> Homo sapien

<400> 136

Met Leu Thr Cys Ser Gly Phe His Gly Thr Asp Tyr Pro Phe Ile Asn  
1 5 10 15

Thr Glu Asn Arg Lys Thr Thr Gln Lys Lys Lys Lys Thr Gln Thr Leu  
20 25 30

Gly Arg Gln Pro Gly Val Pro Thr Val Leu Pro Arg Cys Gly Leu Thr  
35 40 45

Leu Cys Thr Arg Pro Thr Asn Leu Pro Pro Thr His Phe Ser Asn His  
50 55 60

Asn Thr Ser Thr Pro Leu Thr Lys Asp Ser Thr Ile  
65 70 75

<210> 137

<211> 101

<212> PRT

<213> Homo sapien

<400> 137

Met Trp Leu Ser Pro Ala Ser His Asn Ser Pro Pro Gln His Ser Gly  
1 5 10 15

Arg Asp Thr Lys Thr Ser Thr Gln Arg Gly Gly Val Thr Arg Thr Asn  
20 25 30



Ser Gly Ala Asp Glu Pro His Asn Lys His Ile Glu Thr Glu Ile Thr  
 35 40 45

Lys Thr Asp Thr Asn Asn Arg Asp Thr Gln Arg Thr Lys Gln Ala Gln  
 50 55 60

Lys Pro Asn Lys Glu Glu Ala Arg Lys Ala Gln Pro Thr Ser Thr Thr  
 65 70 75 80

Thr Asn Lys Thr Asn Gly Thr Lys Glu His Ser Lys Gln Gln Thr Pro  
 85 90 95

Thr His Asn His Thr  
 100

<210> 138  
 <211> 80  
 <212> PRT  
 <213> Homo sapien

<400> 138

Met Val Cys Ala Ala Trp Leu Pro Ser Ala Cys Pro Pro Trp Ser Val  
 1 5 10 15

Asp Ala Pro Ser Thr Pro Leu Leu Gly Pro Cys Gln Pro Leu Val Val  
 20 25 30

Glu Phe Ser Ser Pro Gly Val Val Val Gly Gly Pro Ser Met Ser Val  
 35 40 45

Trp Gly Gly Arg Leu Arg Cys Pro His Trp Met Gln Pro Phe Ser Thr  
 50 55 60

Ile Ser Gly Leu Lys Arg Asp Arg Val Arg Asn Val Asp Pro Leu Val  
 65 70 75 80

<210> 139  
 <211> 36  
 <212> PRT  
 <213> Homo sapien

<400> 139

Met His Leu Glu Arg Arg Ser Val Met Asp Gly Glu Val Asn Leu Ile  
 1 5 10 15

Ser Leu Ser Gly Phe Leu Ser Tyr Cys Ile Phe Ile Tyr Lys Thr Asn  
 20 25 30

Phe Ile Leu Lys  
35

<210> 140  
<211> 45  
<212> PRT  
<213> Homo sapien  
  
<400> 140

Met Trp Asn Phe Val Phe Leu Leu Ile Gly Gly Gly Gly Leu Ile Arg  
1 5 10 15

Gly Val Val Cys Ala Pro Arg Arg Met Val Gly Val Cys Glu Asn Asn  
20 25 30

Lys Lys Asn Val Leu Arg Arg Glu Arg Gly Val Val Cys  
35 40 45

<210> 141  
<211> 136  
<212> PRT  
<213> Homo sapien

<400> 141

Met Gly Trp Asn Thr Val Gly Arg Ser Gln Leu Ser Ala Ala Leu Asn  
1 5 10 15

Ser Trp Ala Gln Ala Met Phe Ser Pro Gln Leu Pro Ser Ser Trp Ala  
20 25 30

Cys Arg His Val Ser Ala Cys Leu Ala Tyr Phe Leu Phe Phe Phe Phe  
35 40 45

Ser Phe Phe Phe Phe Leu Phe Phe Phe Phe Tyr Phe Phe Phe Leu Leu  
50 55 60

Lys Arg Ala Gly Gly Gly His Ile Met Val Trp Arg Arg Arg Arg Trp  
65 70 75 80

Ser Leu Gln Thr Ser Gly Val Pro Glu Val Val Phe Ser Ala Glu Cys  
85 90 95

Cys Val Thr Thr Arg Cys Arg Gly Ser Thr Arg Trp Gly Lys Glu Ser  
100 105 110

Val Ala Trp Gly Arg Asn Val Val Val Ala Arg Pro Asn Phe Ala Pro  
115 120 125

Lys Ile Ala Arg Thr His Glu Asn  
130 135

<210> 142  
<211> 51  
<212> PRT  
<213> Homo sapien

<400> 142

Met Asp Gln Ile Phe Pro Lys Arg Tyr Leu Met His Asn Ala Lys Lys  
1 5 10 15

Thr Lys Lys Lys Lys Lys Arg Gly Gly Lys Pro Ala Gln Glu Arg Ala  
20 25 30

Arg Gly Glu Thr Gly Val Pro Gly Pro Asn Phe Pro Lys Lys Phe Ala  
35 40 45

Thr Gln Lys  
50

<210> 143  
<211> 219  
<212> PRT  
<213> Homo sapien

<400> 143

Met Val Leu Ala Leu Ile Val Asp Leu Cys Leu Trp Leu Ser Pro Arg  
1 5 10 15

Thr Gly Ala Gly Arg Leu Thr Ser Phe Leu Ser Leu Ser Leu Cys Arg  
20 25 30

Leu Ser Leu Cys Leu Phe Tyr Leu Phe Gly Val Ser Gly Gly Trp Cys  
35 40 45

Gly Asp Ser Ser Ser Phe Ser Val Leu Pro Pro Arg Ile Arg Phe Arg  
50 55 60

Gly Arg Arg Ala Ala Val Val Ala Ser His Leu Leu Ile Ser Ala Pro  
65 70 75 80

Pro Leu Phe Cys Val Val Phe Leu His Cys Cys Ser Ala Val Cys Ser  
85 90 95

Ser Trp Arg Arg Val Ser Gly Leu Cys Arg Pro Pro Leu Leu Arg Ser

100

105

110

Ser Arg Phe Cys Arg Arg Pro Leu Leu Leu Ser Phe Ile Thr Pro His  
 115 120 125

Leu Ser Ser Ser Arg Arg Gly Val Val Thr Phe Gly Leu Val Leu Pro  
 130 135 140

Phe Phe Trp Trp Leu Gly Arg Arg Ala His Asp Phe Phe Val Ser Pro  
 145 150 155 160

Arg Trp Leu Gly Ala Pro Gly Pro Pro Lys Lys Lys Pro Pro Pro Pro  
 165 170 175

Pro Thr Pro Gln Lys Lys Lys Thr Pro Pro Pro Pro Pro Lys Lys Lys  
 180 185 190

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys  
 195 200 205

Lys Lys Lys Gly Gly Gly Thr Ser Ala Ala Thr  
 210 215

<210> 144

<211> 37

<212> PRT

<213> Homo sapien

<400> 144

Met Arg Ser Phe Arg Glu Ile His Ser Glu Arg Thr Leu Met Val Asn  
 1 5 10 15

Leu Arg Gly Lys Ser Gln Asp Ala Gln Lys Leu Trp Ser Leu Val Leu  
 20 25 30

Ile Ser Gln Ser Ile  
 35

<210> 145

<211> 280

<212> PRT

<213> Homo sapien

<400> 145

Met Val Val Phe Gly Val Ile Cys Leu Cys Cys Val Cys Pro Ile Leu  
 1 5 10 15

Phe Phe Ser Val Phe Leu Phe Val Val Val Cys Ser Val Val Cys Leu  
20 25 30

Leu Ser Leu Val Ser Ala Gly Cys Leu Val Gly Glu Leu Pro Phe Cys  
35 40 45

Phe Ser Phe Val Leu Cys Val Leu Gly Arg Ala Leu Ser Leu Leu Pro  
50 55 60

Ser Leu Val Val Trp Leu Leu Ser Ser Ser Leu Cys Val Ser Leu Trp  
65 70 75 80

Ser Phe Leu Leu Phe Leu Val Leu Val Val Leu Val Ser Arg Gly Phe  
85 90 95

Phe Ser Phe Val Ser Gly Ile Cys Val Cys Val Leu Cys Leu Leu Ser  
100 105 110

Phe Val Phe Val Val Cys Cys Arg Leu Arg Leu Phe Ile Ser Arg Leu  
115 120 125

Cys Leu Leu Arg Phe Leu Tyr Leu Ser Ser Val Cys Phe Ser Leu Phe  
130 135 140

Phe Ser Phe Ala Val Val Ser Arg Val Leu Phe Pro Thr Arg Gly Cys  
145 150 155 160

Val Leu Leu Trp Leu Arg Gly Asp Thr Gln Ile Leu Trp Gly Gly Lys  
165 170 175

Val Cys Gly Arg Arg Pro Arg Gly Asp Thr Pro His Met Met Phe Pro  
180 185 190

His Pro His Ala Gly Leu Ile Thr Ala Leu Phe Gly Ala Pro Thr Arg  
195 200 205

Gly Val Tyr Ser Pro Pro Thr Ala Arg Phe Phe Val Val Tyr Ile Ile  
210 215 220

Gly Asp Thr Ser Phe Phe Arg Gly Gly Pro His His Tyr Leu Gly Gly  
225 230 235 240

Ser Thr His Leu Gly Glu Thr Pro Arg Ala Val Ser Ser Leu Ile Ile  
245 250 255

Tyr Ile Lys Ile Tyr Gly Ala Arg Asp Arg Arg Tyr Ile Thr Arg Gly

260

265

270

Leu Ser Phe Val Asp Ser Glu Lys  
 275 280

<210> 146  
 <211> 95  
 <212> PRT  
 <213> Homo sapien

<400> 146

Met Pro Val Val Pro Ala Ile Trp Glu Ala Lys Glu Asp Arg Leu Ser  
 1 5 10 15

Ser Gly Asp Arg Gly Cys Ser Gly Leu Arg Ser Ala Pro Gln Pro Ser  
 20 25 30

Ser Leu Val Lys Arg Glu Arg Phe His Arg Leu Ile Asn Gln Gln Thr  
 35 40 45

Lys Thr Arg Ile Tyr Asp Gln Ala Gln Trp Leu Thr Pro Ile Ile Pro  
 50 55 60

Val Leu Trp Glu Ala Arg Ala Gly Arg Phe Phe Glu Val Arg Ser Ser  
 65 70 75 80

Arg Pro Ala Trp Ala Thr Gln Gly Asp Pro Val Ser Thr Lys Val  
 85 90 95

<210> 147  
 <211> 90  
 <212> PRT  
 <213> Homo sapien

<400> 147

Arg Ile Tyr Asp Gln Ala Gln Trp Leu Thr Pro Ile Ile Pro Val Leu  
 1 5 10 15

Trp Glu Ala Arg Ala Gly Arg Phe Phe Glu Val Arg Ser Ser Arg Pro  
 20 25 30

Ala Trp Ala Thr Gln Gly Asp Pro Val Ser Thr Lys Ser Leu Lys Ile  
 35 40 45

Ser Ala Val Trp Trp His Thr Ser Val Val Ser Pro Thr Leu Glu Ala  
 50 55 60

Glu Val Asp Cys Ser Ser Pro Gly Val Gln Ala Ser Val Ser Tyr Asp  
 65 70 75 80

His Ser Thr Ala Leu Pro Ala Arg Gln Glu  
 85 90

<210> 148  
 <211> 79  
 <212> PRT  
 <213> Homo sapien

<400> 148

Met Ser Ser Leu Leu Pro Ala Phe Phe Val Ser Ile Asn Val Thr Ser  
 1 5 10 15

Thr Tyr Pro Val Ile Gln Gly Lys Thr Gln Trp Arg Lys Pro Ser Ser  
 20 25 30

Thr Thr His Ser Leu Tyr Leu Thr Leu Ser Gln His Pro Ala Lys Ser  
 35 40 45

Arg Ser Lys Tyr Ser Ser Ser Leu Ser Thr Ser Leu Pro Phe Leu Gln  
 50 55 60

Ser Ile Thr Leu Val Tyr Ser Ile Thr Ile Ser Gln Leu Asp Tyr  
 65 70 75

<210> 149  
 <211> 32  
 <212> PRT  
 <213> Homo sapien

<400> 149

Met Gly Ser Thr Thr Asp Val Ser Gly Ser Gln Cys Gly Cys Gln Phe  
 1 5 10 15

Leu Tyr Leu Ala Ala Thr Thr Leu Ser Ile Thr Leu Arg Arg Ser Arg  
 20 25 30

<210> 150  
 <211> 57  
 <212> PRT  
 <213> Homo sapien

<400> 150

Met Gly Leu Thr Leu Leu Leu Tyr Ser Ile Gly Glu Lys Asn Tyr Ile  
 1 5 10 15

Pro Thr Glu Lys Thr Glu Gly Glu Ala Ile Thr Thr Thr Lys Gln Ser  
 20 25 30

Val Thr Pro Arg Arg Glu Glu Met Gly Phe Pro Arg His Thr Pro His  
 35 40 45

Asn His Leu Gln Gln Pro Gln Pro Ser  
 50 55

<210> 151  
 <211> 28  
 <212> PRT  
 <213> Homo sapien

<400> 151

Met Phe Arg Gly Gln Ala Asp Ile Ile Thr Trp Cys Thr Phe Ser Ser  
 1 5 10 15

His Cys Leu Ala Lys Gly Ser Arg Ser Thr Ser Ser  
 20 25

<210> 152  
 <211> 13  
 <212> PRT  
 <213> Homo sapien

<400> 152

Met Ser Ser Gly Ala Gly Glu Asp Ser Gly Ala Gly Arg  
 1 5 10

<210> 153  
 <211> 87  
 <212> PRT  
 <213> Homo sapien

<400> 153

Met Gly Ala Leu Phe Pro Leu Pro Arg Tyr Ile Leu Thr Arg Leu Arg  
 1 5 10 15

Ser Val Val Leu Ala Cys Gly Arg Val Glu Asn Gln Gly Ser Leu Lys  
 20 25 30

Met Cys Gly Leu Tyr Thr Val Tyr Pro Gln Asn Ser Gly Asp Asn Ala  
 35 40 45

Gly Glu Asn Asn His Val Glu Thr Lys Lys Cys His Ala Asn Lys Gly  
 50 55 60



Gln Glu Pro Gly Lys Lys Gly Ser Arg Phe Val Cys Asp Val Ile Phe  
65 70 75 80

His Met Ala Ser Ser Pro His  
85

<210> 154  
<211> 57  
<212> PRT  
<213> Homo sapien

<400> 154

Met Ser Tyr Val Pro Cys Phe Tyr Ser Asn Val Asn Ser Ser Asn Phe  
1 5 10 15

Phe Ala Phe Phe Leu Leu Val Asn Val Cys Val Ile Ser Phe Val Phe  
20 25 30

Ile Asp Val Thr Trp Phe Tyr Phe Phe Ile Leu Leu Gln Phe Thr Ser  
35 40 45

Ile Ser Gly Thr Leu Phe Ala Ala Lys  
50 55

<210> 155  
<211> 115  
<212> PRT  
<213> Homo sapien

<400> 155

Met Phe Val Gly Gly Glu Leu Leu Arg Pro Glu Glu Pro Gln Phe His  
1 5 10 15

Pro Thr Gly Thr His Thr Tyr Ser Thr Gln Glu Val Pro Pro Lys Arg  
20 25 30

Phe Phe Phe Phe Phe Phe Phe Cys Asn Leu Pro Lys Ser Asn His  
35 40 45

Pro Thr Phe Leu Glu Ile Leu Lys Thr Pro Lys Arg Lys Ile Ile Ser  
50 55 60

Asn Asn Ser Thr Pro Thr Ser Lys Ala Phe Val Met Arg His Ser Gln  
65 70 75 80

Ser Ile Phe Phe Phe Phe Phe Phe Leu Val Arg Val Ser Val Thr Gln  
85 90 95

Ala Gly Ile Gln Trp Cys Asp Leu Ser Ser Pro Gln Pro Pro Pro Pro  
 100 105 110

Arg Phe Lys  
 115

<210> 156  
 <211> 67  
 <212> PRT  
 <213> Homo sapien

<400> 156

Met Cys Val Tyr Ile Ser Pro Gly Ser Thr His Lys Phe Ser His Thr  
 1 5 10 15

Pro His Thr His Ile Ile Leu Gly Arg Ala Thr Gln Asn Ala Lys Lys  
 20 25 30

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Met Lys Lys Lys  
 35 40 45

Lys Lys Lys Lys Lys Lys Glu Lys Ile Lys Glu Asn Gln Arg Gln Thr  
 50 55 60

Glu Lys Thr  
 65

<210> 157  
 <211> 51  
 <212> PRT  
 <213> Homo sapien

<400> 157

Met His Ile Tyr Leu Val Arg Ile Pro Phe Gly Leu Leu Asn Arg Leu  
 1 5 10 15

Thr Leu Glu Phe Ala Gln Asp Thr Glu Ala Asn Leu Ser Ala Gly Lys  
 20 25 30

Asn Pro Asp Ala Pro His Ile Leu Arg Glu Pro His Met Ser Cys Ser  
 35 40 45

Tyr Cys Cys  
 50

<210> 158  
 <211> 135

&lt;212&gt; PRT

&lt;213&gt; Homo sapien

&lt;400&gt; 158

Met Phe Phe Val Arg Ala Cys Ile Leu Phe Tyr Thr Gln Tyr Leu Ser  
 1 5 10 15

Phe Glu Trp His Leu Gln Tyr Ala Ala Pro Thr Pro Ser Phe Cys Ser  
 20 25 30

Leu Arg His Leu Leu Cys Ser Cys Leu Pro His Phe Tyr Cys Leu Val  
 35 40 45

Val Cys Leu Leu Pro Ala Ser Leu Ser Val Leu Pro Pro Phe Leu Phe  
 50 55 60

Leu Pro Leu Leu Ala Leu Asp Thr Leu Phe Ala Val Thr Arg Lys Cys  
 65 70 75 80

Leu Cys Gly Gly Lys Phe Val Glu Ser Arg Glu Arg Tyr Thr His Ile  
 85 90 95

Val Thr His Thr Arg Gly Thr His Ser Tyr Trp Arg Pro Gln Arg Val  
 100 105 110

Phe Thr Pro Gln Arg Leu Phe Ser Leu Phe Ile Ile Ser Pro Arg Glu  
 115 120 125

Lys Asn Tyr Lys Glu Val Ile  
 130 135

&lt;210&gt; 159

&lt;211&gt; 102

&lt;212&gt; PRT

&lt;213&gt; Homo sapien

&lt;400&gt; 159

Met Arg Val Val Pro Glu Met Val His Val Val Gln Val Ile Cys Leu  
 1 5 10 15

Leu Met Phe Val Ser Leu Phe Ile His Gly Val Asp Trp Arg Glu Gly  
 20 25 30

Thr Lys Ser Ile Cys Leu Tyr Ile Arg Thr Ser Val Val Arg Cys Ile  
 35 40 45

Phe His Val Thr Ser Leu Leu Glu Asp Gln Thr Pro Tyr Val Leu Gln

100

50

55

60

Tyr Ala Leu Pro Met Ala Val Leu Arg Arg Lys Leu Arg Leu Phe Cys  
65 70 75 80

Phe Asn Arg Gly Trp Cys Thr Trp Leu Ser Lys Tyr Ser Val Lys Ser  
85 90 95

Ser Ile Ser Glu Gly Asn  
100

<210> 160

<211> 21

<212> PRT

<213> Homo sapien

<400> 160

Met Ser Val Leu Ser Val Ala Glu Leu Ser Val Ser Trp His Ser Cys  
1 5 10 15

Ala Cys Val Lys Leu  
20

<210> 161

<211> 16

<212> PRT

<213> Homo sapien

<400> 161

Met Thr Thr Ser Val Val Asn Phe Arg Asn Tyr Phe Phe Thr Ser Val  
1 5 10 15

<210> 162

<211> 85

<212> PRT

<213> Homo sapien

<400> 162

Met Arg Gly Phe Leu Phe Pro Asp Gly Ile Gln Gly Ala Thr Ser Phe  
1 5 10 15

Phe Leu Pro Gly Lys Lys Arg Tyr Thr Cys Cys Leu Asp Ser Ser Pro  
20 25 30

His Phe Pro Pro Val Leu His His Gly Pro Leu Asn Phe Leu Phe Val  
35 40 45

Leu Leu Pro Pro Ser Asn Asn His Glu Asn Asn Leu Gly Glu Val Phe

50

55

60

Gln Ile Met Lys Lys Lys Gln Lys Lys Gln Lys Asn Asn Gln Arg Gly  
 65 70 75 80

Asp Leu Gly Arg Asp  
 85

<210> 163  
 <211> 40  
 <212> PRT  
 <213> Homo sapien

<400> 163

Met Tyr Leu Thr Leu Ser Phe Ser Val Met Tyr Asn Cys His Phe Leu  
 1 5 10 15

Ile Leu Tyr Ile Met Tyr Leu Phe Asp Ile Arg Phe Asn Asn Tyr Ile  
 20 25 30

Asn Phe Ile His Ser Leu Phe Glu  
 35 40

<210> 164  
 <211> 33  
 <212> PRT  
 <213> Homo sapien

<400> 164

Met Ser Pro Gln Gln Thr Ile Leu Arg Val Ile Pro Glu Gln Lys Ser  
 1 5 10 15

Thr Thr Thr Gln Leu Thr Leu Ile Leu Ser Leu Thr Lys Ser Ile Thr  
 20 25 30

Leu

<210> 165  
 <211> 46  
 <212> PRT  
 <213> Homo sapien

<400> 165

Met Glu Leu Pro Phe Asn Lys Glu Ile Leu Pro Lys Gln Lys Lys Lys  
 1 5 10 15

Lys Lys Lys Lys Lys Gly Trp Gly Ser Trp Pro Ala Val Pro Val Leu

20

25

30

Asn Trp Phe Ser Gly Pro Lys Phe Pro Lys Ile Arg Glu Gln  
 35 40 45

<210> 166  
 <211> 24  
 <212> PRT  
 <213> Homo sapien

<400> 166

Met Ala Ile Val Pro Leu Asp His Ala Ser Ser Gly Ala Ser Cys Asp  
 1 5 10 15

Gly Leu Val Ala Ala Arg Tyr Asn  
 20

<210> 167  
 <211> 75  
 <212> PRT  
 <213> Homo sapien

<400> 167

Met Thr Thr Tyr Ala Ile Gly Cys Glu Asp Glu Ala Ile Ala Ala Lys  
 1 5 10 15

Pro Gly Val Ser Asn Asp Asn Glu Arg Arg Pro Cys Thr Ile Val Leu  
 20 25 30

Glu Leu Arg Arg Glu Pro Leu Ser Leu Ser Ser Pro Ile Ser Lys Ala  
 35 40 45

Leu Pro Val Asn Gln Glu Thr Ala Cys Thr Thr Cys Val Glu Gln Ser  
 50 55 60

Leu Ser Leu Leu His Asp Ala Pro Met Leu Val  
 65 70 75

<210> 168  
 <211> 91  
 <212> PRT  
 <213> Homo sapien

<400> 168

Met Leu Cys His His Val Ile Arg Tyr Asn Leu His Phe Ser Val Leu  
 1 5 10 15

Thr Ser His Pro Ile Tyr Thr Val Leu Tyr Ala His Lys Cys Ile Gly

30

Arg Arg Met Arg Thr His Asn Ile Lys Ile Arg Gln Thr Arg Ser Gly  
130 135 140

Thr His Asp Ala Arg Gln Arg Glu Glu Arg His Thr Thr Asn Lys His  
145 150 155 160

Ala Arg Ser Arg Gly Gln His Glu Arg Lys Gln Pro Glu Gln Lys Gln  
165 170 175

Glu Ser Ala Gly Lys Arg Arg Gly Asp Ser Ser Asn Arg Arg Ala Thr  
180 185 190

Gln Arg Arg Lys Arg Leu Glu Lys Glu Lys Thr Gln Lys Thr Arg His  
195 200 205

Gly Arg His  
210

<210> 170  
<211> 82  
<212> PRT  
<213> Homo sapien

<400> 170

Met Phe Ile Ser Val Phe His Val Trp Phe Val Ala Val Val Val Gly  
1 5 10 15

Glu Ile Gly Ser Arg Gly Lys His Asn Phe Tyr Thr Pro Arg Asn Gln  
20 25 30

Arg Leu Ala Pro Arg Ser Phe Pro Arg Pro Ala Ser Leu Val Tyr Thr  
35 40 45

Arg Asn Ile Ser Cys Ser Phe Ser Pro Gln Arg Thr His Gly Arg Asp  
50 55 60

Thr Gly Ser Leu Gly Pro His Val Met Lys Arg Tyr Trp Ala Pro Pro  
65 70 75 80

Thr Ala

<210> 171  
<211> 153  
<212> PRT  
<213> Homo sapien

<400> 171

Met Ser Leu Ala Asp Gly His Ser Trp Arg Pro Gln Phe Met Phe Asn  
1 5 10 15



Arg Asn Ser Leu Arg Asn Ile Leu Arg Leu Pro His Pro Leu Val Val  
20 25 30

Leu Pro Ser Phe Leu Pro Ser Leu Arg Val Lys Gly Pro Arg Gly Pro  
35 40 45

Phe Trp Val Leu Leu Trp Lys Ala Arg Asp Val Ser Val Phe His Arg  
50 55 60

Thr Ala Trp Arg Pro Lys His Pro Gly Ala Pro Ile Gly Arg Gly Ser  
65 70 75 80

Pro Gly Gly Val Thr Val Trp Phe Tyr Arg Arg Ser Pro Lys Leu Pro  
85 90 95

Pro Pro His His Cys Gln Gln Gln Lys Val Gly Pro Leu Gly Ala Gly  
100 105 110

Ala Thr Met Leu Asn Thr Gly Ser Ser Arg Glu His Ala Ala Gln Ala  
115 120 125

Thr Lys Ala Gly Arg Ser Lys Thr Gln Ala His Thr Lys Asn Glu Ile  
130 135 140

Ser Lys Gln Ala Thr Glu Gln Ala Ser  
145 150

<210> 172  
<211> 32  
<212> PRT  
<213> Homo sapien

<400> 172

Met Gln Pro Arg Gly Ser Thr Asp Asn Arg Ile Leu Lys Lys Val Ala  
1 5 10 15

Ala Pro Pro Val Ile Ile Asn Asn Leu Ile Lys Phe Thr Glu Leu Tyr  
20 25 30

<210> 173  
<211> 48  
<212> PRT  
<213> Homo sapien

<400> 173

Met Ser Val Gly Trp Asp Cys Ser Gln Val Tyr Ile Thr Lys Arg Ile

Pro Leu Ser Ser Trp Pro Val Leu Asn Glu Leu Leu Gly Thr Pro Pro  
100 105 110

Arg Arg Gly Gly Gly Arg Ala Glu Gly Leu Leu Thr Ser Gln Gly Leu  
 115 120 125

Leu Thr Ser Gln  
 130

<210> 176  
 <211> 114  
 <212> PRT  
 <213> Homo sapien

<400> 176

Met Ile Glu Leu Leu Ser Ser Ser Val Tyr His Glu Gly Pro Pro His  
 1 5 10 15

Ala Val Phe Gly Ala Pro Val Leu Pro Pro Ser Val Ser Cys Ile Val  
 20 25 30

Cys Thr Thr Pro Pro Gln Leu Gly Gly Pro Pro Pro Pro Pro Pro Leu  
 35 40 45

Val His Ala Thr Phe Pro Pro Pro Phe Pro Arg Thr Thr Pro Pro Phe  
 50 55 60

Phe Thr Pro Pro Pro Pro Pro Phe Leu Leu Phe Pro Pro Pro Pro Pro  
 65 70 75 80

Pro Pro Arg Val Phe Phe Phe Lys Lys Lys Lys Lys Lys Lys Lys Lys  
 85 90 95

Gln Lys Lys Lys Lys Lys Lys Lys Lys Gly Gly Gly Thr Cys Pro Ala  
 100 105 110

Ala Ala

<210> 177  
 <211> 43  
 <212> PRT  
 <213> Homo sapien

<400> 177

Met Pro Tyr Leu Arg Leu Trp Lys Asn Gly Val Tyr Ser Pro Cys Asn  
 1 5 10 15

Phe Leu Gly Glu Lys Lys Pro Phe Pro Met Asp Leu Lys Lys Lys Lys  
 20 25 30

Lys Lys Lys Lys Lys Asn Leu Ala Ala Thr Thr  
 35 40

<210> 178  
 <211> 213  
 <212> PRT  
 <213> Homo sapien

<400> 178

Met Thr Ser Asp Glu Ala Thr Thr Glu Thr Arg Pro Ala Arg Glu Ala  
 1 5 10 15

Glu Lys Gly Ala Glu Lys Gln Lys Ala Thr Glu Lys Gly Lys Thr Lys  
 20 25 30

Lys Thr Ser Thr Ser Tyr Arg Arg Ser Gln Arg Met Arg Lys Glu Arg  
 35 40 45

Arg Arg Arg Lys His Glu Ala Thr Arg Arg Arg Thr Gly Glu Glu Arg  
 50 55 60

Glu Asn Arg Gly Arg Arg Arg Glu Gln Arg Arg Arg Arg Thr Lys Val  
 65 70 75 80

Gly Ser Gln Glu Glu Thr Lys Arg Glu Val Gln Thr Glu Gln Gly Arg  
 85 90 95

Lys Arg Pro Lys Gly Gln Lys Lys Glu Thr Gln Arg Arg Lys Lys Arg  
 100 105 110

Arg Lys Lys Lys Ser Gln Arg Arg Arg Thr Gly Lys Arg Lys Gln Glu  
 115 120 125

Glu Lys Thr Thr Gln Arg Glu Arg Arg Glu Lys Asp Lys Arg Ser Arg  
 130 135 140

Arg Glu Trp Lys Tyr Ala Glu Glu Glu Glu Thr Asp Asn Glu Glu Arg  
 145 150 155 160

Arg Arg Lys Lys Arg Lys Arg Gln Gln Lys Lys Arg Glu Lys Lys Arg  
 165 170 175

Arg Ser Lys Lys Ser Arg Ser Lys Asn Glu Ala Asp Lys Glu Arg Ala  
 180 185 190

Glu Thr Thr Arg Arg Glu Glu Arg Glu Arg Glu Thr Glu Glu Glu Lys

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Thr Arg Asn Arg Ser  
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&lt;210&gt; 179

&lt;211&gt; 434

&lt;212&gt; PRT

&lt;213&gt; Homo sapien

&lt;400&gt; 179

Met Ser Ala Asp Ala Ala Ala Gly Ala Pro Leu Pro Arg Leu Cys Cys  
1 5 10 15

Leu Glu Lys Gly Pro Asn Gly Tyr Gly Phe His Leu His Gly Glu Lys  
20 25 30

Gly Lys Leu Gly Gln Tyr Ile Arg Leu Val Glu Pro Gly Ser Pro Ala  
35 40 45

Glu Lys Ala Gly Leu Leu Ala Gly Asp Arg Leu Val Glu Val Asn Gly  
50 55 60

Glu Asn Val Glu Lys Glu Thr His Gln Gln Val Val Ser Arg Ile Arg  
65 70 75 80

Ala Ala Leu Asn Ala Val Arg Leu Leu Val Val Asp Pro Glu Thr Asp  
85 90 95

Glu Gln Leu Gln Lys Leu Gly Val Gln Val Arg Glu Glu Leu Leu Arg  
100 105 110

Ala Gln Glu Ala Pro Gly Gln Ala Glu Pro Pro Ala Ala Ala Glu Val  
115 120 125

Gln Gly Ala Gly Asn Glu Asn Glu Pro Arg Glu Ala Asp Lys Ser His  
130 135 140

Pro Glu Gln Leu Ser Leu Val Ala Val Ser Asp Gly Ser Val Arg Gly  
145 150 155 160

Ala Thr Arg Ser Leu Leu Asp Arg Glu Arg Ala Gln Phe Gly Ile Lys  
165 170 175

Arg Gln Asn Pro Ala Leu Pro Gln Leu Gly Gly Glu Gly Pro Arg Ala  
180 185 190

Met Val Ala Glu Leu Gly Gln Arg Glu Leu Arg Pro Arg Leu Cys Thr  
 195 200 205

Met Lys Lys Gly Pro Ser Gly Tyr Gly Phe Asn Leu His Ser Asp Lys  
 210 215 220

Ser Lys Pro Gly Gln Phe Ile Arg Ser Val Asp Pro Asp Ser Pro Ala  
 225 230 235 240

Glu Ala Ser Gly Leu Arg Ala Gln Asp Arg Ile Val Glu Val Asn Gly  
 245 250 255

Val Cys Met Glu Gly Lys Gln His Gly Asp Val Val Ser Ala Ile Arg  
 260 265 270

Ala Gly Gly Asp Glu Thr Lys Leu Leu Val Val Asp Arg Glu Thr Asp  
 275 280 285

Glu Phe Phe Lys Lys Cys Arg Val Ile Pro Ser Gln Glu His Leu Asn  
 290 295 300

Gly Pro Leu Pro Val Pro Phe Thr Asn Gly Glu Ile His Lys Asp Pro  
 305 310 315 320

Leu Thr Pro Ser Ser Asp Asn Pro Gln Pro Ser Pro Leu Cys Gln Glu  
 325 330 335

Asn Ser Arg Glu Ala Leu Ala Glu Ala Ala Leu Glu Ser Pro Arg Pro  
 340 345 350

Ala Leu Val Arg Ser Ala Ser Ser Asp Thr Ser Glu Glu Leu Asn Ser  
 355 360 365

Gln Asp Ser Pro Pro Lys Gln Asp Ser Thr Ala Pro Ser Ser Thr Ser  
 370 375 380

Ser Ser Asp Pro Ile Leu Asp Phe Asn Ile Ser Leu Ala Met Ala Lys  
 385 390 395 400

Glu Arg Ala His Gln Lys Arg Ser Ser Lys Arg Ala Pro Gln Met Asp  
 405 410 415

Trp Ser Lys Lys Asn Glu Leu Phe Ser Asn Leu Asn Glu Leu Phe Ser  
 420 425 430

Asn Leu

<210> 180  
 <211> 49  
 <212> PRT  
 <213> Homo sapien

&lt;400&gt; 180

Met Gly Ser Cys Ser Val Ala Gln Val Gly Val Met Trp His Asp Leu  
 1 5 10 15

Gly Ser Leu Gln Pro Leu Pro Pro Gly Phe Lys Gln Phe Ser Cys Leu  
 20 25 30

Ser Leu Leu Ser Ser Trp Asp Tyr Arg Arg Thr Cys Pro Gly Gly Arg  
 35 40 45

Ser

<210> 181  
 <211> 59  
 <212> PRT  
 <213> Homo sapien

&lt;400&gt; 181

Phe Phe Phe Leu Phe Val Cys Leu Phe Glu Met Gly Ser Cys Ser Val  
 1 5 10 15

Ala Gln Val Gly Val Met Trp His Asp Leu Gly Ser Leu Gln Pro Leu  
 20 25 30

Pro Pro Gly Phe Lys Gln Phe Ser Cys Leu Ser Leu Leu Ser Ser Trp  
 35 40 45

Asp Tyr Arg Cys Glu Pro Gln Arg Leu Ala Arg  
 50 55

<210> 182  
 <211> 193  
 <212> PRT  
 <213> Homo sapien

&lt;400&gt; 182

Met Ser Tyr Ser Phe Ala Ser Ser Val Val Leu Val Asp Ser Leu Thr  
 1 5 10 15

Ser Phe Leu Gly Pro Phe Thr Phe Ser Leu Leu Ala Thr Ser Arg Ile  
20 25 30

Leu His Leu Tyr Leu Ala Pro Arg Val Arg Leu Ser Cys Ser Ser Leu  
35 40 45

Ser Pro Phe Ala Cys Leu Leu Cys Ser Leu Leu Trp Val Arg Val Ser  
50 55 60

Ser Ser Ser Thr Arg Ser Ile Cys Ser Leu Ser Val Phe Cys Val Cys  
65 70 75 80

Ser Gly Leu Ser Leu Val Cys Val Arg Tyr Phe Phe Ala Leu Cys Ser  
85 90 95

Ser Leu Phe Arg Pro Cys Ser Phe Leu Ser Leu Leu Arg Ser Leu Leu  
100 105 110

Leu Ser Ile Leu Phe Phe Ser Cys Phe Leu Ala Leu Ser Leu Ser Ser  
115 120 125

Leu Ser Ile Tyr Leu Pro Leu Leu Ser His Ser Leu Ser Phe Arg Asp  
130 135 140

Pro Arg Ser Ile Val Tyr Leu Ile Phe Asp Phe Leu Ser Leu Tyr His  
145 150 155 160

Ser Leu Cys Pro Ser Tyr Ser Ser Tyr Ser Ile Asn Asp Ser Arg Gly  
165 170 175

Leu Ile Pro Thr Arg Ala Leu Pro Gln Cys Ile Arg Tyr Leu Pro Tyr  
180 185 190

Pro

<210> 183

<211> 56

<212> PRT

<213> Homo sapien

<400> 183

Met Trp Cys Arg Cys Val Cys Leu Asn Tyr Cys Gln Cys Val Pro Pro  
1 5 10 15

Ser Trp Thr Phe Leu Pro Ser Leu Met His Val Gln Tyr Asp Ser His  
20 25 30



Glu Asn Asp Glu Pro Cys His Glu Val Leu Ile Ala Asn Glu Glu Arg  
 35 40 45

Leu His Arg Lys Asn Met Lys Lys  
 50 55

<210> 184  
 <211> 105  
 <212> PRT  
 <213> Homo sapien

<400> 184

Met Pro Tyr Gly Val Thr Gln Phe Lys Leu Thr Arg Ile Val Ser Ala  
 1 5 10 15

Ile Gly Trp Glu Leu Thr Thr Cys Asp Pro Ser Tyr Tyr Thr Pro Val  
 20 25 30

Leu Thr Leu Ser Leu Leu Lys Phe Cys Ala Leu Glu His Ile His Lys  
 35 40 45

Asn Asn Arg Ala Arg Ala Leu Gln Gly Asn His Thr Pro Pro Asn Ser  
 50 55 60

Lys Leu Arg Asn Thr His Ile Ser Arg Glu Ala Gln Arg Gly Tyr Lys  
 65 70 75 80

Glu Tyr Cys Ala Arg Gln Arg Asn Pro Gln Thr Pro His Pro Arg Ala  
 85 90 95

Gln Pro Gly Thr Gln Asn Ser Lys Asn  
 100 105

<210> 185  
 <211> 38  
 <212> PRT  
 <213> Homo sapien

<400> 185

Met Ile Val Arg Gly Glu Val His Thr Leu Met His Leu Glu Leu Tyr  
 1 5 10 15

Cys Ile Ile Arg Thr Thr Ser Asp Thr Ser Phe Phe Phe Phe Phe Phe  
 20 25 30

Phe Phe Pro Tyr Cys Asn

35

<210> 186  
 <211> 77  
 <212> PRT  
 <213> Homo sapien

<400> 186

Met Val Thr Gly Cys Leu Leu Arg Gln Cys Ala Asp Arg Cys Gln Val  
 1 5 10 15

Asn Ser Thr Ala His Phe Trp Leu Asn Phe Leu Gln Leu Ser Ser Val  
 20 25 30

Arg Ser Lys Val His Leu Gln Pro Ser Leu Arg Ala Leu Leu Phe Ser  
 35 40 45

Ser Ser Val Arg Thr Cys Thr Gly Gln Pro Cys Pro Phe Gln Phe Ser  
 50 55 60

Ala Ser Trp Leu Gly Ala His Arg Leu Leu Ser Asn His  
 65 70 75

<210> 187  
 <211> 13  
 <212> PRT  
 <213> Homo sapien

<400> 187

Met Leu Phe Pro Cys Val Lys Leu Val Tyr Ser Ala His  
 1 5 10

<210> 188  
 <211> 44  
 <212> PRT  
 <213> Homo sapien

<400> 188

Met Arg Arg Pro Ala Arg Leu Val Glu Arg Ala Val Cys Leu Val Leu  
 1 5 10 15

Glu Phe Leu Phe Phe Ile Ser Phe Leu Ser Cys Asn Ser Tyr Phe Trp  
 20 25 30

Phe Ala Trp Thr Val Leu His Thr Pro Ile Phe Leu  
 35 40

<210> 189

<211> 53  
 <212> PRT  
 <213> Homo sapien

<400> 189

Met Leu Leu Ser Lys Gly Thr Gly Thr Thr Leu Ile Phe Ile Asp Gly  
 1 5 10 15

Met Leu Lys Arg Trp Ala Tyr Ile Tyr Val Pro Tyr Ala Cys Ser Pro  
 20 25 30

Gly Cys Gly Gln Trp Cys Ile Pro Ala Pro His Ser Pro His Asn Leu  
 35 40 45

Pro Glu Gln His Asp  
 50

<210> 190  
 <211> 84  
 <212> PRT  
 <213> Homo sapien

<400> 190

Met Thr Cys Phe Val Asp Asp Cys Cys Gly Asp Leu Gly Thr Glu Lys  
 1 5 10 15

Asn Leu Pro Lys Lys Asn Lys Lys Ala Asn Leu Gly Gly Ile Lys Lys  
 20 25 30

Glu Asn Phe Phe Val Lys Lys Lys Lys Arg Lys Lys Lys Asn Glu Lys  
 35 40 45

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys  
 50 55 60

Thr Ser Pro Arg His Asp His Thr Leu Arg Ala Arg Met Ile Lys Thr  
 65 70 75 80

Ile Ala Ile Tyr

<210> 191  
 <211> 60  
 <212> PRT  
 <213> Homo sapien

<400> 191

Met Gly Arg Leu Val Lys Phe Lys His Gly Asn Asn Ser Glu Ile Asn



Phe Gln Glu Pro Phe Val Ala Val Val Ile Asp Pro Thr Arg Thr Ile  
 165 170 175

Ser Ala Gly Lys Val Asn Leu Gly Ala Phe Arg Thr Tyr Pro Lys Gly  
 180 185 190

Tyr Lys Pro Pro Asp Glu Gly Pro Ser Glu Tyr Gln Thr Ile Pro Leu  
 195 200 205

Asn Lys Ile Glu Asp Phe Gly Val His Cys Lys Gln Tyr Tyr Ala Leu  
 210 215 220

Glu Val Ser Tyr Phe Lys Ser Ser Leu Asp Arg Lys Leu Leu Glu Leu  
 225 230 235 240

Leu Trp Asn Lys Tyr Trp Val Asn Thr Leu Ser Ser Ser Ser Leu Leu  
 245 250 255

Thr Asn Ala Asp Tyr Thr Thr Gly Gln Val Phe Asp Leu  
 260 265

<210> 193

<211> 146

<212> PRT

<213> Homo sapien

<400> 193

Met Trp Cys Ser Tyr Pro Tyr Cys Cys Ser Gly Phe Leu Leu Ser Tyr  
 1 5 10 15

Thr Val Cys Thr His Gly Val Asn Ile Gly Cys Val Cys Cys Leu Ser  
 20 25 30

Arg Trp Trp Leu Ser Leu Val Met Val Pro Val Pro Cys Val Val Val  
 35 40 45

Phe Thr Ala Cys Trp Val Cys Val Trp Ser Ser Glu Pro His Leu Met  
 50 55 60

Asp Met Trp Val Arg Pro Val Val His Phe Leu Ala Met Cys His Val  
 65 70 75 80

Pro Arg Val Cys Ser Leu Phe Pro Leu Leu Val Cys Ala Cys Ser Phe  
 85 90 95

Leu Phe Leu Leu Gly Ile Leu Ala Leu Cys Pro Pro Val Ala Leu Tyr

100

105

110

Ser Leu Gly Val Cys Val Ser Pro Pro Val Ile Cys Ser Pro Ala Cys  
 115 120 125

Glu Ile Trp Trp Val Cys Arg Ala Pro Ser Cys Ala Leu Tyr Pro Leu  
 130 135 140

Arg Pro  
 145

<210> 194  
 <211> 141  
 <212> PRT  
 <213> Homo sapien

<400> 194

Met Cys Ala His Thr His Gly Ala Gly His Thr Ala Leu His Phe Gly  
 1 5 10 15

Arg His Ala Gln Val Phe Ile Arg Arg Ala Arg Gly Leu Ser Ser Ser  
 20 25 30

Arg Ile Thr His Ser Glu Ser Tyr Cys Leu Leu Pro Ser Leu His Thr  
 35 40 45

Gln Gly Thr Pro Arg Ser Arg Gly Arg Pro Thr Arg Gly Val Ser Leu  
 50 55 60

Ser Ser Arg Ala Leu Val Leu Arg Arg Glu Val Leu Gly Asp Thr His  
 65 70 75 80

Thr His Thr Pro Glu Ser Gly Asp Thr Arg Tyr Arg Asp Cys Leu His  
 85 90 95

Thr Lys Ile Phe Tyr Asn Ile Glu Ile Cys Gly Ser Arg Thr Gln His  
 100 105 110

Ile Trp Ala Pro Ala His Thr Glu Thr Leu Ser Ser Leu Ser His Arg  
 115 120 125

Ala Val Ala Pro Leu Leu His Arg Glu Ser Gly Glu Pro  
 130 135 140

<210> 195  
 <211> 95  
 <212> PRT

Met	Pro	Pro	Leu	Leu	Phe	Glu	Val	Ser	Ser	Leu	Glu	Asn	Ala	Phe	Gln
1				5					10					15	

Ile Gly Gly His Pro Trp His Tyr Ile Val Thr Pro Asn Lys Lys Lys  
                   20                                  25                                  30

Gln Lys Gly Val Phe His Ile Cys Ala Leu Lys Asp Asn Ser Leu Ala  
           35                                  40                                  45

Lys Asn Gly Ile Gln Glu Met Asp Cys Cys Ser Leu Glu Ser Asp Trp  
           50                                  55                                  60

Ile Tyr Phe His Pro Asp Ala Ser Gly Arg Ile Ile His Val Gly Pro  
   65                                  70                                  75                                  80

Asn Gln Val Lys Val Leu Lys Leu Thr Glu Ile Glu Asn Asn Ser Ser  
                                   85                                  90                                  95

Gln His Gln Ile Ser Glu Asp Phe Val Ile Leu Ala Asn Arg Glu Asn  
                                   100                                  105                                  110

His Lys Asn Glu Asn Val Leu Thr Val Thr Ala Ser Gly Arg Val Val  
           115                                  120                                  125

Lys Lys Ser Phe Asn Leu Leu Asp Asp Asp Pro Glu Gln Glu Thr Phe  
           130                                  135                                  140

Lys Ile Val Asp Tyr Glu Asp Glu Leu Asp Leu Leu Ser Val Val Ala  
   145                                  150                                  155                                  160

Val Thr Gln Ile Asp Ala Glu Gly Lys Ala His Leu Asp Phe His Cys  
                                   165                                  170                                  175

Asn Glu Tyr Gly Thr Leu Leu Lys Ser Ile Pro Leu Val Glu Ser Trp  
           180                                  185                                  190

Asp Val Thr Tyr Ser His Glu Val Tyr Phe Asp Arg Asp Leu Val Leu  
           195                                  200                                  205

His Ile Glu Gln Lys Pro Asn Arg Val Phe Ser Cys Tyr Val Tyr Gln  
           210                                  215                                  220

Met Ile Cys Asp Thr Gly Glu Glu Glu Glu Thr Ile Asn Arg Ser Cys  
   225                                  230                                  235                                  240

<210> 198

<211> 31

<212> PRT

<213> Homo sapien



&lt;400&gt; 198

Met Ile Pro Gln Leu Gly Glu Ser Val Leu Ile His Cys Pro Asn Gly  
 1 5 10 15

Pro Pro Leu Pro His Val Ser Pro Pro Ser Ser Asn Pro Ser Tyr  
 20 25 30

&lt;210&gt; 199

&lt;211&gt; 62

&lt;212&gt; PRT

&lt;213&gt; Homo sapien

&lt;400&gt; 199

Met Pro Ala Pro Leu Gly Gly Arg Gly Gly Trp Ser Pro Pro Arg Ser  
 1 5 10 15

Arg Ser Ser Arg Gln Arg Leu Ala Asp Met Ala Lys Pro Arg Leu Tyr  
 20 25 30

Tyr Lys Lys Asn Thr Lys Arg Leu Asp Trp Val Trp Trp Cys Val Pro  
 35 40 45

Ile Ile Pro Ala Thr Gln Glu Ala Glu Ala Gly Glu Phe Phe  
 50 55 60

&lt;210&gt; 200

&lt;211&gt; 245

&lt;212&gt; PRT

&lt;213&gt; Homo sapien

&lt;400&gt; 200

Met Gly Arg Ser Cys Val Val Cys Phe Val Cys Leu Phe Phe Ser Phe  
 1 5 10 15

Val Phe Arg Leu Ser Ser Arg Ala Val Ala Ala Leu Arg Phe Ser Val  
 20 25 30

Cys Val Val Arg Arg Val Arg Leu Ala Ala Ser Ser Phe Val Leu Arg  
 35 40 45

Arg Ser Ala Leu Ser Leu Ser Ser Val Ser Ser Leu Val Ser Pro Ala  
 50 55 60

Leu Leu Pro Leu Arg Ser Leu Ser Ser Ser Ser Phe Leu Ser Pro Phe  
 65 70 75 80

Val Ala Pro Cys Leu Ser Val Cys Phe Val Pro Val Leu Val Cys Leu  
85 90 95

Ser Ser Ala Phe Ala Ser Leu Ser Arg Ser Cys Ser Phe Leu Leu Ser  
100 105 110

Val Arg Phe Ala Phe Ser Val Ser Arg Val Gly Leu Phe Cys Val Leu  
115 120 125

Phe Leu Leu Cys Leu Ala Arg Leu Ser Ser Val Phe Ala Ser Cys Ser  
130 135 140

Gly Phe Ser Leu Leu Phe Phe Phe Leu Leu Phe Phe Phe Phe Cys Phe  
145 150 155 160

Leu Ser Leu Cys Leu Ser Phe Phe Phe Ser Phe Leu Phe Phe Pro Ser  
165 170 175

Trp Cys Leu Phe Ser Phe Leu Phe Phe Ala Phe Ser Ser Ile Cys Phe  
180 185 190

Cys Leu Leu Trp Asp Asn Phe Leu Phe Val Phe Leu Ala Ile Phe Ser  
195 200 205

Ser Val Phe Ser Ser Leu His Cys Val Phe Leu Phe Ser Ser Phe Val  
210 215 220

Pro Pro Leu Tyr Phe Val Ile Phe Ser Phe Ala Leu Trp Tyr Ser Cys  
225 230 235 240

Trp Arg Pro Gly Val  
245

<210> 201

<211> 144

<212> PRT

<213> Homo sapien

<400> 201

Glu Gln Met Ser Cys Gln Trp Glu Phe Lys Cys Gln His Gly Glu Glu  
1 5 10 15

Glu Cys Lys Phe Asn Lys Val Glu Ala Cys Val Leu Asp Glu Leu Asp  
20 25 30

Met Glu Leu Ala Phe Leu Thr Ile Val Cys Met Glu Glu Phe Glu Asp  
35 40 45

Met Glu Arg Ser Leu Pro Leu Cys Leu Gln Leu Tyr Ala Pro Gly Leu  
 50 55 60

Ser Pro Asp Thr Ile Met Glu Cys Ala Met Gly Asp Arg Gly Met Gln  
 65 70 75 80

Leu Met His Ala Asn Ala Gln Arg Thr Asp Ala Leu Gln Pro Pro His  
 85 90 95

Glu Tyr Val Pro Trp Val Thr Val Asn Gly Lys Pro Leu Glu Asp Gln  
 100 105 110

Thr Gln Leu Leu Thr Leu Val Cys Gln Leu Tyr Gln Gly Lys Lys Pro  
 115 120 125

Asp Val Cys Pro Ser Ser Thr Ser Ser Leu Arg Ser Val Cys Phe Lys  
 130 135 140

<210> 202

<211> 76

<212> PRT

<213> Homo sapien

<400> 202

Met Pro Ser Asp Arg Met His Leu Phe Ile Leu Lys Met Ala Ser Leu  
 1 5 10 15

Arg His Pro Thr Gly Gln Pro Cys Lys Leu Lys Ser Gln Gly Ala His  
 20 25 30

Cys Thr Gln Leu Ser His Ala Leu Thr Thr Ala Ser Leu Gln Leu Leu  
 35 40 45

Thr Leu Gly Tyr Asn Ser Ser Asn Ile Asn Gly Phe Ser Leu Gln His  
 50 55 60

Cys Thr Leu Gln Asn Ile Glu Gln Gly Phe Ser Leu  
 65 70 75

<210> 203

<211> 60

<212> PRT

<213> Homo sapien

<400> 203

Asp Ala Lys Glu Asp His Glu Arg Thr His Gln Met Val Leu Leu Arg

Ser Thr Gly Gln Tyr Gln Glu Cys Leu Gln Leu Ala Asp Met Val Ser  
35 40 45

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<210> 204
<211> 96
<212> PRT
<213> Homo sapien
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<400> 204

Met Cys Leu Val Ser Phe Val Val Phe Ile Phe Leu Ser Asn Thr Pro  
1 5 10 15

Gly Pro Phe Phe Ser Phe Ser Leu Gly Leu Phe Ser Phe Ala Phe Leu  
20 25 30

Phe Leu Gln Leu Phe Phe Phe Leu Val Leu Phe Ser Phe Leu Ile Phe  
35 40 45

Leu Leu Val Phe Ser Val Phe Ser Leu Leu Asp Phe Tyr Phe Tyr Met  
50 55 60

Phe Val Phe Ser Phe Phe Ser Leu Leu Ser Leu Phe Ser Phe Leu Leu  
65 70 75 80

Phe Phe Tyr Val Val Val Leu Ser Trp Ile Leu Asp Trp Ile Phe Arg  
85 90 95

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<210> 205
<211> 34
<212> PRT
<213> Homo sapien
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<400> 205

Met Met Asp Asp Thr Leu Pro Gly Thr Leu Val His Tyr Ser Gln Cys  
1 5 10 15

Ser Ser Ser Ala Tyr Asn Ser Cys Leu Pro Val Asp Ser Thr Asn Glu  
20 25 30

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<210> 206
<211> 42
<212> PRT
<213> Homo sapien
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Met Pro Val Val Pro Ala Ile Trp Glu Ala Lys Glu Asp Arg Leu Ser  
1 5 10 15

Ser Leu Val Lys Arg Glu Arg Phe His Leu  
35 40

<400> 207

Gly Cys Gly Ala Ile Ser Ala Gln Cys Asn Leu Tyr Leu Leu Ser Ser  
20 25 30

His His Val Gln Leu Ile Leu Tyr Phe Ala Ala Arg Arg Phe Tyr His  
50 55 60

Ser Ala Tyr Gln Ser Ala Val Ile Thr Gly Val Ser His His Ala Gln  
85 90 95

<210>	208
<211>	81
<212>	PRT

<213> Homo sapien

<400> 208

Met Leu Ala Leu Phe Val Val Gly Gly Cys Pro Cys Ser Phe Gln Tyr  
1 5 10 15

Met Arg Gly Gln Gly Asp Pro Arg Gly Pro Phe Cys Gly Pro Leu Trp  
20 25 30

Lys Lys Gly Arg Arg Tyr Val Ser Cys Leu Ile Thr Ser Ile Lys Pro  
35 40 45

Val Ala Cys Ile Ser Leu Lys Cys Ala Ile Tyr Ala Gly Ser Ser Gly  
50 55 60

Gly Val Ile Tyr Val Trp Ala Pro Pro Arg Ala Pro Asn Thr Pro Leu  
65 70 75 80

Tyr

<210> 209

<211> 67

<212> PRT

<213> Homo sapien

<400> 209

Met Lys Val Pro His Gln Arg Lys Lys Asn Lys Asn Thr Lys Lys Arg  
1 5 10 15

Lys Lys Lys Lys Lys Val Leu Trp Gly Gly Tyr Thr Thr Cys Gly His  
20 25 30

Asn Ile Gly Val Leu Pro Gly Val Cys Cys Ala Arg Thr Thr Trp Cys  
35 40 45

Cys Val Ile Ile Thr Gly Gly Phe Ser Asp Lys Phe Phe Arg Asp Lys  
50 55 60

Lys Asn Leu  
65

<210> 210

<211> 80

<212> PRT

<213> Homo sapien

<400> 210

Met Phe Met Cys Ile Cys Tyr Leu Pro Asn Tyr Ile Thr Ser Ser Leu  
 1 5 10 15

Lys Val Glu Met Ser Met Glu Thr Asp Asn Met Ser Gly Leu Leu Leu  
 20 25 30

His Thr Leu Gln Val Ser Ala His Leu Ile Phe Ile Ala Thr Leu Arg  
 35 40 45

Asn Ser His Cys Tyr Pro His Phe Ile Ser Arg Gln Gly Lys Val Lys  
 50 55 60

Ser Gly Lys Val Tyr Leu Trp His Lys Leu Leu Asn Glu Gly Thr Tyr  
 65 70 75 80

<210> 211  
 <211> 125  
 <212> PRT  
 <213> Homo sapien

<400> 211

Met Ser Ser Glu Val Ser Val Trp Glu Phe Val Gly Ala Gly Gly Leu  
 1 5 10 15

His Gln Ser Val Ser Lys Gln Pro Arg Gly Lys Ala Lys Pro Leu Val  
 20 25 30

Gly Asn Pro Tyr Trp Ser Phe Asn Arg Leu Ser Lys Gly Leu Phe Trp  
 35 40 45

Lys Trp Glu Lys Ala Cys Cys Leu Pro Thr Gly Gly Glu Thr Thr Val  
 50 55 60

Phe Gly Gly Leu Phe Pro Lys Leu Val Ser Lys Gly Asn Cys Trp Phe  
 65 70 75 80

Pro Val Phe Gln Lys Gly Asn Gly Phe Ser Val Ser Gly Trp Gly Ser  
 85 90 95

Asn Pro Val Leu Val Leu Gly Gly Val Asn Pro Arg Pro Lys Lys Ile  
 100 105 110

Lys Leu Glu Thr Ser Pro Tyr Thr Ala Lys Ser Trp Gly  
 115 120 125

<210> 212

<211> 167  
 <212> PRT  
 <213> Homo sapien

<400> 212

Met Arg Thr Trp Trp Cys Arg Val Leu Glu Val Arg His Val Ala Lys  
 1 5 10 15

Gly Gly Ala Pro Leu Arg Leu Arg Phe Leu Trp Arg Ser Val Ser Pro  
 20 25 30

Ala Cys Arg Glu Lys Glu Ile Ser Leu Ala Gln Thr His Asn Thr Arg  
 35 40 45

Met Arg Thr His Asn Leu Lys Asp Tyr Lys Arg Lys Ser Leu Arg Arg  
 50 55 60

Asn Asn Leu Leu Arg Ala Ala Ala His Ser His Val Leu Trp Arg Val  
 65 70 75 80

Ser Pro Thr Tyr Ser His His His Thr Met Cys Ala Val Thr Arg Cys  
 85 90 95

Thr Pro Arg Gly Val Leu Pro Ser Arg Gly Ser Ser Arg Val Cys Val  
 100 105 110

Lys Arg Ala Thr His Arg Phe Arg Cys Ile Leu Tyr Ser Glu Asp Leu  
 115 120 125

Trp Val Phe Ile His Ser Val Val Ser Ile Pro Phe Val Pro Val Gly  
 130 135 140

Val Lys Ile Trp Leu Pro Ala Leu Thr Ile Leu Pro Thr Thr Cys Gly  
 145 150 155 160

Thr Lys Asp Thr Pro Leu Phe  
 165

<210> 213  
 <211> 151  
 <212> PRT  
 <213> Homo sapien

<400> 213

Met His Ala Arg Ala Ala Gln Cys Asp Gly Phe Ala Ala Arg Ser Pro  
 1 5 10 15



Pro Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Leu Gly Arg Gly Lys Asn  
 20 25 30

Phe Phe Phe Phe Phe Ile Phe Ser Gln Lys Pro Phe Phe Trp Lys Lys  
 35 40 45

Leu Lys Val Ala Met Arg Gly Phe Leu Tyr Lys Lys Asn Ile Lys Thr  
 50 55 60

Arg Gly Ile Leu Leu Phe Gln Lys Lys Phe Asn Leu Leu Phe Val Asp  
 65 70 75 80

Lys Ala His His Glu Trp Val Tyr Lys Leu Val Leu Ser Tyr Ile Phe  
 85 90 95

Gln Arg Lys Tyr Tyr Ser His Ser Val His Val Tyr Ser Ile Thr Val  
 100 105 110

Cys Ser Arg Arg Lys Ser Arg Arg Ala Cys Asn Ser Leu Gly Val His  
 115 120 125

Lys Cys Val Leu Pro Leu Cys Glu Ile Leu Cys Phe Ile Pro Val Pro  
 130 135 140

Gln Tyr Ser His Asn Asn Ile  
 145 150

<210> 214  
 <211> 118  
 <212> PRT  
 <213> Homo sapien

<400> 214

Met Leu Cys Arg Ser Val Cys Asp Tyr Pro Pro Ala Arg Val Arg Arg  
 1 5 10 15

Glu Val Val Val Cys Asn Thr Lys Arg Gly Gly Gly Arg Arg Arg Glu  
 20 25 30

Gln Pro Ser Ile Thr Arg Val Ala Ala Leu Ile Tyr Ile Tyr Met Val  
 35 40 45

Glu Gly Glu Ile Lys His Ile Ser Arg Glu Arg Glu Gly Glu Arg Ala  
 50 55 60

Asn Pro Thr Thr Ala Gly Gln Gln Glu Ala Ile Ser Arg Gly Glu Glu  
 65 70 75 80

Glu Arg Gly Cys Ser Ala Arg Arg Ala Pro Thr Pro Pro His Asn Thr  
85 90 95

Leu Tyr Arg Thr Gln Gln Thr Lys Pro Gln Pro Arg Thr Gln Ser Thr  
100 105 110

Arg Glu Tyr Lys Lys Ile  
115

<210> 215

<211> 72

<212> PRT

<213> Homo sapien

<400> 215

Met Val Ala Met Ile Ile Arg Ser Ile Phe Val Gly Leu Leu Ala His  
1 5 10 15

Ser Cys Cys His Ala Gly Asp Asp Thr Phe Arg Ala Pro Leu Ala Leu  
20 25 30

Ile Leu Glu Leu Leu His Leu Ile Val Val Gly Phe Trp Asp Ser Val  
35 40 45

Ser Val His Ile Asp Thr Pro Pro Glu Glu Leu Leu Met Ile Phe Phe  
50 55 60

Leu Gln Gln Cys Ser Tyr Val Val  
65 70

<210> 216

<211> 58

<212> PRT

<213> Homo sapien

<400> 216

Met Cys His Cys Pro Arg Val Pro Pro Ile Pro Gln Ala Thr Asn Phe  
1 5 10 15

Val Thr Arg Glu Gln Ile Gln Glu Ile Ser Ser Gln Ala Lys Val Gln  
20 25 30

Ser Ala Ala Asn His Gly Arg His Ala Glu Pro Arg Arg Arg Cys Ala  
35 40 45

Ser Leu Val Pro Gly Ser Asp Gly Ala Ala

50

55

<210> 217  
 <211> 121  
 <212> PRT  
 <213> Homo sapien

<400> 217

Met Gly Gln Asn Gly Val Ser Pro Gly Gly Lys Cys Gly Cys Thr Gly  
 1 5 10 15

Leu Lys Ile Pro Thr Lys Gln Phe Glu Thr Thr Lys Asn Glu Gln Gln  
 20 25 30

Gln Glu Lys Glu Glu Gln Thr Arg His Thr Arg Asn Arg Arg Arg Arg  
 35 40 45

Glu Arg Glu Arg Asn Thr Asn Thr Gln Gln Pro Arg Lys Asp Glu Lys  
 50 55 60

Glu Arg Glu Lys Arg Glu Arg Lys Glu Glu Lys Arg Glu Asn Lys Lys  
 65 70 75 80

Lys Glu His Gln Lys Glu Lys Lys Asn Thr Lys Thr Arg Gln His Thr  
 85 90 95

Lys Gln Arg Lys Thr Gly Arg Thr Thr Lys Glu Asp Lys Asn Ser Asn  
 100 105 110

Glu Lys Gln Glu Arg Thr Lys Thr Lys  
 115 120

<210> 218  
 <211> 67  
 <212> PRT  
 <213> Homo sapien

<400> 218

Gly Pro Gln Gly Pro Pro Gly Tyr Gly Lys Met Gly Ala Thr Gly Pro  
 1 5 10 15

Met Gly Gln Gln Gly Ile Pro Gly Ile Pro Gly Pro Pro Gly Pro Met  
 20 25 30

Gly Gln Pro Gly Lys Ala Gly His Cys Asn Pro Ser Asp Cys Phe Gly  
 35 40 45

Ala Met Pro Met Glu Gln Gln Tyr Pro Pro Met Lys Thr Met Lys Gly  
50 55 60

Pro Phe Gly  
65